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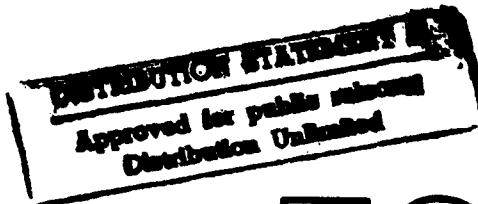
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500 CONTRACTORS

RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS
FOR RDT&E

Fiscal Year 1993



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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME OF PRIME CONTRACT AWARDS FOR RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

FISCAL YEAR 1993

**Department of Defense
Washington Headquarters Services
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FOREWORD

500 Contractors Receiving the Largest Dollar Volume of Prime Contract Awards for Research, Development, Test, and Evaluation (RDT&E) is published annually. This report provides information on the 500 contractors that received the largest dollar volume in Department of Defense prime contract awards over \$25,000 for RDT&E. The information on the 500 contractors is presented in five tables showing:

1. An alphabetical listing of the top 500 companies;
2. The net value of awards to business firms based in the United States;
3. The net value of awards to educational and other nonprofit institutions based in the United States;
4. The net value of awards to foreign contractors; and
5. The net value of awards to U.S. Government Agencies.

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INTRODUCTION

This report presents summary data on the 500 prime contractors receiving the largest dollar volume in Department of Defense (DoD) awards over \$25,000 for research, development, test, and evaluation (RDT&E) work during fiscal year (FY) 1993. RDT&E work can include research (basic and applied) and development (exploratory, advanced, engineering, operational systems, or management and support services). Full definitions for each of these categories are provided in Section 235.001 of the Defense Federal Acquisition Regulation Supplement.

These data rank each corporation according to its relative standing. The order of ranking is based on the net value of each contractor's RDT&E awards.

Table 1 (page 7) lists the 500 contractors in alphabetical order, displays the order of ranking for each, and shows how each has been categorized for reporting purposes. The categories are business firm (B), foreign contractor (F), and nonprofit institution (N). Table 2 (page 13) shows the net value of awards to U.S. business firms. Those firms which qualify as small businesses are further identified by an "S." The net value of awards to each of the firm's reported locations is also provided. Tables 3, 4, and 5 (pages 29, 33, and 35 respectively) provide the net value of awards to U.S. educational and other nonprofit institutions, foreign contractors, and U.S. Government Agencies. (While awards to U.S. Government Agencies are listed separately in Table 5, these agencies are categorized as nonprofit institutions in Table 1.) As in Table 1, contractors in Tables 2 through 5 are shown by order of ranking, with their total awards indicated by an asterisk (*). The value of awards to each of the contractor's reported locations are also shown for these tables.

NOTES ON COVERAGE

The dollar amounts shown here include prime contract awards over \$25,000 for RDT&E work only. Data on awards for other services, such as training, and on any supplies furnished by the contractors in support of research being done are excluded. The locations shown in the tables are the places where the work was to be performed. Normally, this is a facility of the concern awarded the contract. However, if the work was scheduled to be performed at a Defense facility, such as an Air Force base, the location shown may be that of the Defense agency, rather than that of the contractor.

DATA RELATING TO COMPANIES IN THIS PUBLICATION ARE SUBJECT TO THE ACCURACY OF THE DUN & BRADSTREET CORPORATION'S DATA UNIVERSAL NUMBERING SYSTEM AND/OR THE FEDERAL PROCUREMENT DATA SYSTEM CONTRACTOR ESTABLISHMENT CODE, AND THE ABILITY OF THESE CODING SYSTEMS TO DESCRIBE RELATIONSHIPS OF COMPANIES.

HIGHLIGHTS

The following table shows the net value and percent distribution of all RDT&E awards, RDT&E awards to the top 500 companies, and all other RDT&E awards for FY 1993.

Department of Defense Prime Contract Awards Over \$25,000 Fiscal Year 1993

TYPE OF CONTRACTOR	RDT&E								
	TOTAL			TOP 500			ALL OTHER		
	NO.	AWARDS (\$000)	% OF TOTAL \$	NO.	AWARDS (\$000)	% OF TOTAL \$	NO.	AWARDS (\$000)	% OF TOTAL \$
RDT&E - TOTAL	<u>2,951</u>	<u>22,291,978</u>	<u>100</u>	<u>500</u>	<u>21,312,001</u>	<u>100</u>	<u>2,451</u>	<u>979,977</u>	<u>100</u>
BUSINESS FIRMS	<u>2,544</u>	<u>20,213,069</u>	<u>91</u>	<u>418</u>	<u>19,384,275</u>	<u>91</u>	<u>2,126</u>	<u>828,795</u>	<u>85</u>
Small	2,009	1,955,754	9	189	1,277,590	6	1,820	678,164	69
Large	535	18,257,315	82	229	18,106,685	85	306	150,630	15
EDUCATIONAL & NONPROFIT	<u>288</u>	<u>1,894,809</u>	<u>8</u>	<u>66</u>	<u>1,771,415</u>	<u>8</u>	<u>222</u>	<u>123,394</u>	<u>13</u>
Educational	212	1,245,865	6	37	1,144,273	5	175	101,592	10
Other Nonprofit	76	648,944	3	29	627,142	3	47	21,802	2
U.S. GOVERNMENT AGENCIES	<u>14</u>	<u>28,522</u>	*	<u>3</u>	<u>25,214</u>	*	<u>11</u>	<u>3,308</u>	*
FOREIGN	<u>105</u>	<u>155,577</u>	<u>1</u>	<u>13</u>	<u>131,097</u>	<u>1</u>	<u>92</u>	<u>24,480</u>	<u>2</u>

*LESS THAN 0.5 PERCENT

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING

Based on the percentage of total awards, the distribution of FY 1993 awards varies only moderately from that in FY 1992. In FY 1993, the top 500 contractors included 418 U. S. business firms, (189 were small businesses); 66 educational and nonprofit institutions; 3 U. S. Government Agencies; and 13 foreign contractors.

In FY 1992, the top 500 consisted of 419 business firms (192 were small businesses); 67 educational and nonprofit institutions; 2 U.S. Government Agencies; and 12 foreign contractors.

The top 500 RDT&E contractors received awards totaling \$21.3 billion in FY 1993, compared to \$20.9 billion in FY 1992, an increase of \$368 million or 1.76 percent. The \$21.3 billion represents 95.6 percent of the \$22.3 billion total prime contract awards over \$25,000 for RDT&E work in FY 1993.

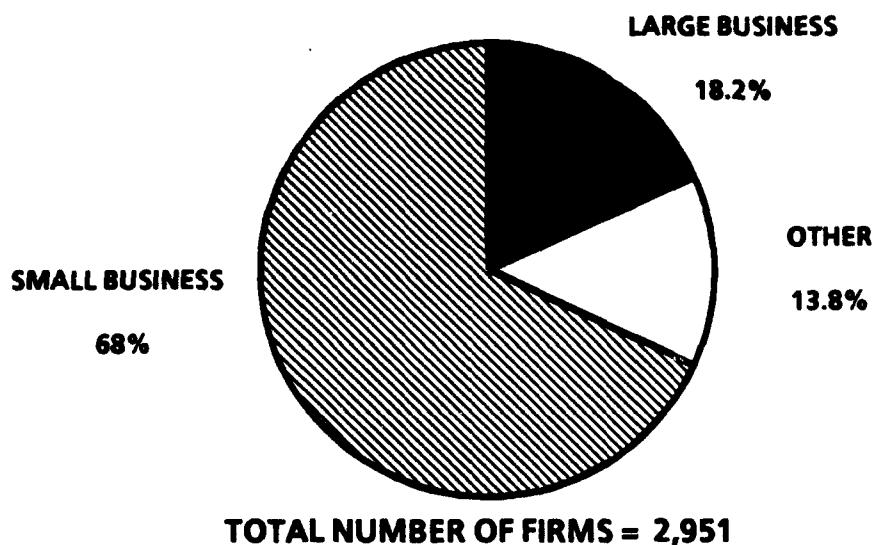
In addition to the top 500 contractors, there were 2,451 other contractors for which RDT&E procurement actions over \$25,000 were reported, for a total of 2,951 contractors in FY 1993. In FY 1992, the total number of contractors was 2,797.

Of the 43 contractors with RDT&E awards of \$100 million or more in FY 1993, 40 were business firms and 3 were educational and other nonprofit institutions. These 43 contractors had a total of \$14.3 billion in RDT&E awards. In FY 1992, there were 37 contractors who reached the \$100 million plateau, with awards totaling \$14.7 billion. Of these 37 fiscal year 1992 contractors, 33 were business firms and 4 were educational and other nonprofit institutions. The amount of awards for this \$100 million group decreased by \$ 427 million or 2.9 percent between FY 1992 and 1993.

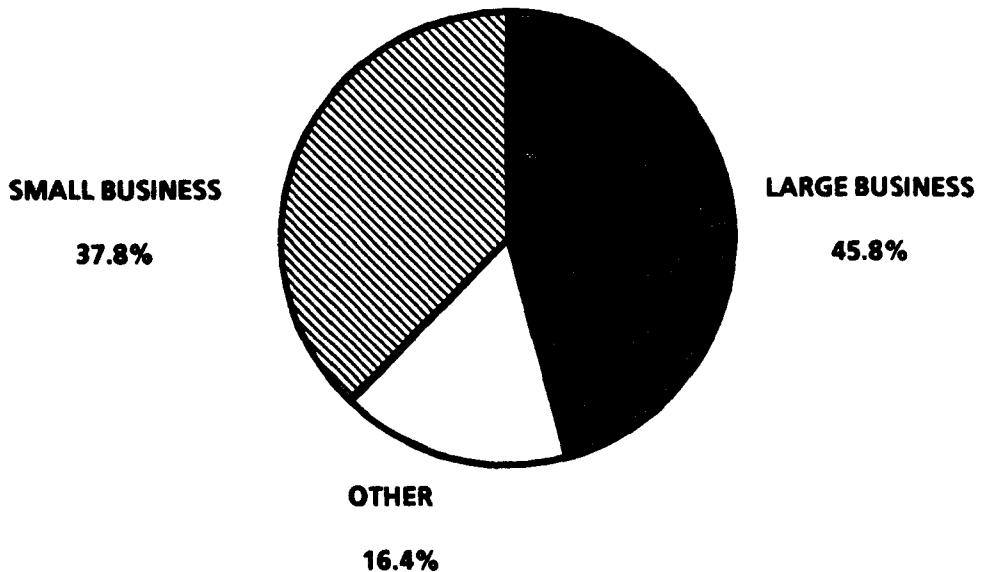
The charts on page 4 display a breakout of types of contractors as a percentage of the total contractors receiving RDT&E awards; and then as a percentage of the top 500 contractors. The first chart shows that within the category of all RDT&E awards, small business represents the largest share (68%); followed by large business (18.2%), and other (13.8%). The second chart reflects that within the category of only the top 500 RDT&E contractors, large business has the greatest share (45.8%); followed by small business (37.8%), and other (16.4%).

Both charts show the number of firms and their associated percentages, not the percentage of dollars.

TOTAL CONTRACTORS RECEIVING RDT&E AWARDS
Fiscal Year 1993



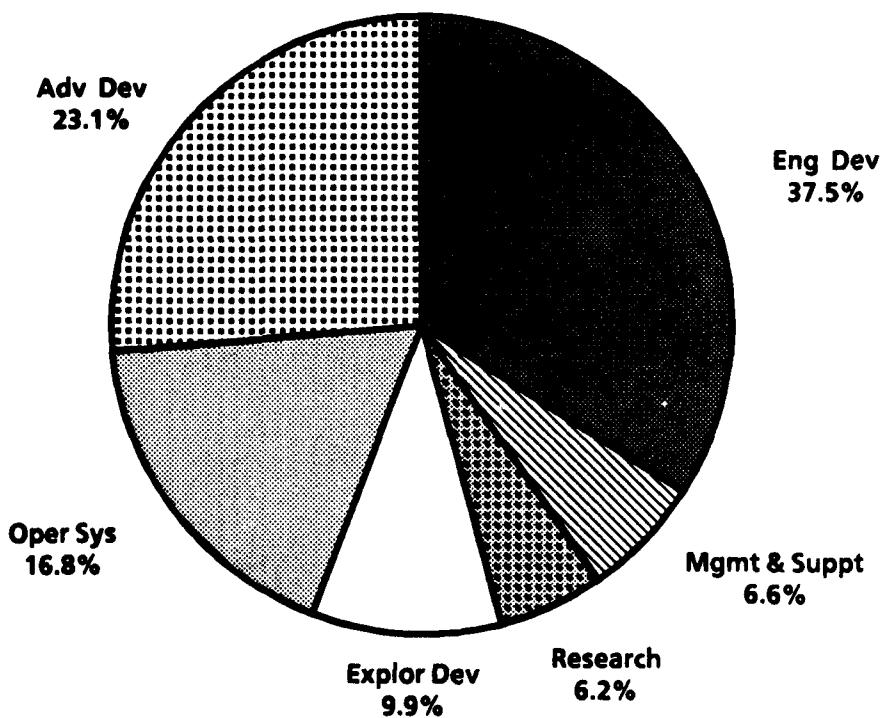
TOP 500 CONTRACTORS - RDT&E
Fiscal Year 1993



The following table shows the type of RDT&E work the contractors were engaged in and the net value and percent distribution of all awards for each of these types in FY 1993. Engineering development accounted for the majority (37.5 percent) of RDT&E awards, followed by advanced development (23.1 percent).

TYPE	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	\$22,291,978	100.00
Engineering Development	8,365,217	37.5
Advanced Development	5,149,521	23.1
Operational Systems	3,736,416	16.8
Exploratory Development	2,203,215	9.9
Management and Support	1,461,011	6.6
Research	1,376,599	6.2

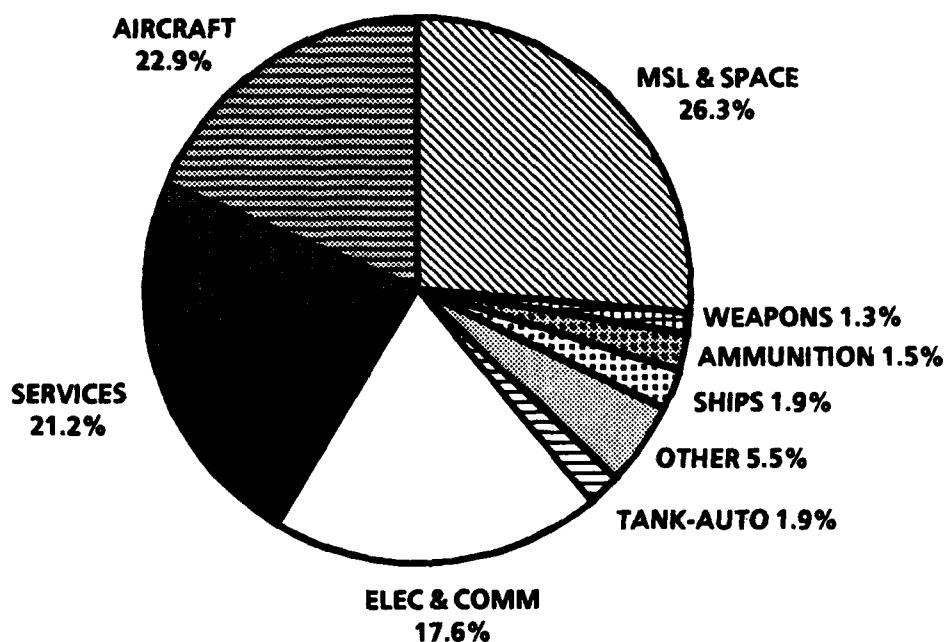
DOLLAR AWARDS BY TYPE OF RDT&E WORK Fiscal Year 1993



The last table shows the net value and percent distribution of all RDT&E awards by type of program. Within the RDT&E contracts, the largest volume of awards was for the research, development, test, or evaluation of missile and space systems, services, electronics and communication equipment, and aircraft. In FY 1993, a combined total of \$19.6 billion or 88.0 percent of all RDT&E awards over \$25,000 was for work connected with these programs.

PROGRAM	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	<u>\$22,291,978</u>	<u>100.00</u>
Missile & Space Systems	5,871,285	26.3
Aircraft	5,114,056	22.9
Services	4,723,725	21.2
Electronics & Communication Equipment	3,914,434	17.6
Tank-Automotive	426,912	1.9
Ships	401,600	1.9
Ammunition	339,930	1.5
Weapons	279,940	1.3
All Other	1,220,096	5.5

DOLLAR AWARDS BY TYPE OF PROGRAM
Fiscal Year 1993



**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1993**

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
99	B	A A I CORPORATION	146	B	BALL CORPORATION
166	B	ADVANCE INCORPORATED	65	N	BATTELLE MEMORIAL INSTITUTE
306	B	ADVANCED LITHOGRAPHY GROUP	102	B	BDM INTERNATIONAL INC
422	B	ADVANCED MARINE ENTERPRISES	67	B	BDM MANAGEMENT SERVICES CO
382	B	ADVANCED RESOURCE TECHNOLOGIES	201	B	BECHTEL NATIONAL INC
406	B	ADVANCED TECHNOLOGY & RESEARCH	8	B	BELL BOEING JV
216	B	ADVANCED TECHNOLOGY MATERIALS	225	B	BELL HELICOPTER SERVICES INC
259	B	AEL INDUSTRIES INC	219	B	BELL HELICOPTER TEXTRON INC
313	B	AEPCO INC	330	B	BERKELEY RESEARCH ASSOCIATES
475	B	AERODYNE RESEARCH INC	483	B	BETA ANALYTICS INC
29	B	AEROJET-GENERAL CORPORATION	424	B	BETAC INTERNATIONAL CORP
205	B	AEROMET INC	478	B	BLACK & DECKER CORPORATION
18	B	AEROSPACE CORPORATION	71	B	BOEING AEROSPACE OPERATIONS
254	B	AEROTHERM CORPORATION	93	B	BOEING CO & SIKORSKY ACFT JV
51	B	ALLIANT TECHSYSTEMS INC	9	B	BOEING COMPANY THE
195	B	ALLIED SIGNAL AEROSPACE CO	19	B	BOEING SKRSKY COMANCHE TEAM JV
86	B	ALLIED SIGNAL INC	367	F	BOFORS AB
293	B	ALPHATECH INC	82	B	BOLT BERANEK AND NEWMAN INC
289	B	AM GENERAL CORPORATION	81	B	BOOZ ALLEN & HAMILTON INC
279	B	AMCOMP CORPORATION	401	N	BOSTON COLLEGE TRUSTEES OF
57	B	AMERICAN TELEPHONE & TELG CO	345	N	BOSTON UNIVERSITY
161	B	AMHERST SYSTEMS INC	394	B	BRITRC INC
176	B	AMTEC CORPORATION	494	B	BTG INC
103	B	ANALYSIS & TECHNOLOGY INC	105	B	CADILLAC GAGE TEXTRON INC
98	N	ANALYTIC SERVICES INC	262	B	CAE INDUSTRIES INC
337	B	ANALYTIX ELECTRONIC SYSTEMS	284	B	CALIFORNIA RESEARCH & TECH
474	B	ANDRULIS RESEARCH CORPORATION	66	B	CALSPAN CORPORATION
314	B	APPLIED MEASUREMENT SYSTEMS	336	B	CAMBER CORPORATION
25	N	APPLIED PHYSICS LABORATORY	398	F	CANADIAN COMMERCIAL CORP
209	B	APPLIED RESEARCH ASSOC INC	69	N	CARNEGIE MELLON UNIVERSITY
276	B	APPLIED RESEARCH INC	203	B	CARTWRIGHT ELECTRONICS INC
213	B	ARES CORPORATION	143	B	CAS INC
246	B	ARETE ASSOCIATES	352	B	CBI NA-CON INC
417	B	ARINC INCORPORATED	366	B	CERIDIAN CORPORATION
149	B	ARINC RESEARCH CORPORATION	171	B	CHAMBERLAIN MANUFACTURING CORP
387	B	ARIST CORPORATION INC	418	B	CHEMICAL SYSTEMS DIVISION
272	N	ARMORED VEHICLE TECH ASSOC	142	B	CHRYSLER TECH ARBB SYSTEMS
252	B	ASI SYSTEMS INTERNATIONAL	492	N	CLEVELAND ADVANCED MANUFACTUR
107	B	ASSURANCE TECHNOLOGY CORP	64	B	COLEMAN RESEARCH CORPORATION
348	B	ATLANTIC AEROSPACE ELECTRONICS	92	B	COLSA INC
123	B	ATLANTIC RESEARCH CORPORATION	362	B	COMMONWEALTH TECHNOLOGY INC
455	B	ATMOSPHERIC & ENVTL RESEARCH	172	B	COMPREHENSIVE TECH INTL
236	B	AUTOMATED SCIENCES GROUP INC	485	B	COMPTEK RESEARCH INC
335	B	AUTOMATION GROUP INC	334	B	COMPUTER SCIENCE APPLICATIONS
349	B	AUTOMATION RES SYSTEMS LTD	46	B	COMPUTER SCIENCES CORPORATION
491	B	AVCO CORPORATION	280	B	COMPUTING DISTRIBUTORS INTL
189	B	AVCO RESEARCH LABS	297	B	CONCORD HILL GROUP INC
373	B	B-K DYNAMICS INC	153	B	CONCURRENT COMPUTER CORP
429	B	BABCOCK & WILCOX COMPANY THE	439	B	CONDUCTUS INC
346	F	BAESEMA LTD	200	B	CONTRAVES INC

* B = Business Firm

F = Foreign Contractor

N = Nonprofit Institution

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1993**

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
294	B	COORS PORCELAIN COMPANY	302	B	FIBERTEK INC
356	N	CORNELL UNIVERSITY	423	B	FIORE INDUSTRIES INC
310	N	CORPORATION OF MERCER UNIV	49	B	FMC CORPORATION
440	B	CREARE INC	220	B	FOSTER MILLER INC
419	B	CREE RESEARCH INC	2	B	FOUNDATION HEALTH CORPORATION
471	B	CSA ENGINEERING INC	238	B	FRONTIER ENGINEERING INC
159	B	CIA INCORPORATED	445	B	FRONTIER TECHNOLOGY INC
183	B	CUBIC CORPORATION	489	B	FUENTEZ SYSTEMS CONCEPTS INC
292	B	CUMMINS ENGINE COMPANY INC	369	B	G & F COMPANY
320	B	DAVID SARNOFF RESEARCH CENTER	416	B	GALAXY SCIENTIFIC CORP
263	B	DBA SYSTEMS INC	76	B	GEC INCORPORATED
300	B	DCS CORPORATION	185	B	GENERAL ATOMICS
420	B	DDL OMNI ENGINEERING CORP	26	B	GENERAL DYNAMICS CORPORATION
390	B	DECISION SCIENCE APPLICATIONS	20	B	GENERAL ELECTRIC COMPANY
379	B	DIGITAL SYSTEMS RESEARCH INC	402	N	GENERAL HOSPITAL CORPORATION
305	B	DIGITAL WIZARDS INC	32	B	GENERAL MOTORS CORPORATION
30	B	DOUGLAS AIRCRAFT COMPANY	233	B	GENERAL RESEARCH CORPORATION
70	N	DRAPER CHARLES STARK LAB INC	447	B	GENTEX CORPORATION
381	N	DUKE UNIVERSITY	113	B	GEO CENTERS INC
273	B	DYNAMICS RESEARCH CORPORATION	473	B	GEOMET TECHNOLOGIES INC
177	B	DYNETICS INC	388	N	GEORGIA INSTITUTE TECHNOLOGY
413	B	E-OIR MEASUREMENTS INC	112	N	GEORGIA TECH RESEARCH CORP
44	B	E-SYSTEMS INC	281	F	GOVERNMENT OF CANADA
370	B	EAI CORPORATION	6	B	GRUMMAN AEROSPACE CORPORATION
389	B	EARTH TECHNOLOGY CORP USA	41	B	GRUMMAN CORPORATION
364	B	EASTMAN KODAK COMPANY	260	B	GRUMMAN DATA SYSTEMS CORP
396	B	EATON CORPORATION	100	B	GTE CORPORATION
198	B	EBASCO SERVICES INCORPORATED	42	B	GTE GOVERNMENT SYSTEMS CORP
354	B	ECC INTERNATIONAL CORP	230	B	GTE PRODUCTS CORP
261	N	EDISON WELDING INSTITUTE	135	B	GTE SYLVANIA COM PRODUCTS
117	B	EER SYSTEMS CORPORATION	407	B	HAMPSHIRE INSTRUMENTS INC
498	B	EG&G INC	48	B	HARRIS CORPORATION
175	B	EG&G WASHINGTON ANALYTICAL SVC	78	B	HARRIS MAGNAVOX SYSTEMS CO JV
427	B	ELDEC CORPORATION	151	B	HARSCO CORPORATION
375	B	ELDYNE INC	493	N	HARVARD COLLEGE PRSNTS FELLOWS
299	B	ELECTRONIC DECISIONS INC	145	B	HAZELTINE CORPORATION
167	B	ELECTRONIC WARFARE ASSOCIATES	75	B	HERCULES INCORPORATED
327	B	ELECTRONICS & SPACE CORP	253	B	HILTON SYSTEMS INC
74	B	ENGINEERING RESEARCH ASSOC	73	B	HONEYWELL INC
359	B	ENSCO INC	214	B	HORIZONS TECHNOLOGY INC
129	N	ENVIRONMENTAL RES INST OF MICH	392	B	HOUSTON ASSOCIATES INC
453	B	ENVIRONMENTAL SYSTEMS RES INST	269	B	HOWMET CORPORATION
196	B	ENVIRONMENTAL TECH GROUP	14	B	HUGHES AIRCRAFT COMPANY
344	B	EPOCH ENGINEERING INC	342	B	HUGHES DANBURY OPTICAL SYSTEMS
108	B	ESL INCORPORATED	84	B	HUGHES MISSILE SYSTEMS CO
267	B	ETA TECHNOLOGIES CORPORATION	360	B	HUGHES STX CORPORATION
242	B	EIEC SYSTEMS INC	256	B	HUGHES TRAINING INC
160	B	FAIRCHILD INDUSTRIES INC	59	N	I I T RESEARCH INSTITUTE
140	B	FAIRCHILD SPACE AND DEF CORP	283	B	I-NET INC
468	B	FALCON ASSOCIATES LTD	282	B	INCO UNITED STATES INC

* B = Business Firm

F = Foreign Contractor

N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1993

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
239	B	INFOTEC DEVELOPMENT INC	36	B	LORAL AEROSPACE CORP
490	B	INNOVATIVE CONCEPTS INC	31	B	LORAL CORP
457	B	INNOVATIVE TECHNOLOGIES CORP	16	B	LORAL VOUGHT SYSTEMS
114	N	INSTITUTE FOR DEFENSE ANALYSES	211	B	LOS ALAMOS TECHNICAL ASSOC INC
500	B	INTEGRATED MICROCOMPUTER SYS	162	B	LTV CORPORATION
377	B	INTEGRATED SYSTEMS INC	248	B	LUFKIN INDUSTRIES INC
134	B	INTEL CORPORATION	266	B	LYNNE GILFILLAN ASSOC
316	B	INTERNATIONAL RESEARCH INST	301	B	M R J GROUP
121	B	INTERMETRICS INC	408	B	M T L SYSTEMS INC
23	B	INTERNATIONAL BUS MCHS CORP	275	B	MAC AULAY-BROWN INC
403	B	INTERNATIONAL MICROSPACE INC	56	B	MAC GREGOR-NAVIRE USA INC
228	B	INTERNATIONAL SCIENTIFIC PDT'S	157	B	MADEN TECH CONSULTING INC
251	B	INTERNATIONAL SOFTWARE SYSTEMS	450	B	MADISON RESEARCH CORPORATION
247	B	INTERSTATE ELECTRONICS CORP	62	B	MAGNAVOX GOVT & INDSTR ELCTR
443	B	IRVINE SENSORS CORPORATION	318	B	MANAGEMENT CONSULTING & RES
55	F	ISRAEL AIRCRAFT INDUSTRIES LTD	308	B	MANTECH INTERNATIONAL CORP
350	B	ISK CORPORATION	376	B	MAR INCORPORATED
101	B	IIT CORPORATION	1	B	MARTIN MARIETTA CORPORATION
499	N	JACKSON HENRY M FOUNDATION	127	B	MARTIN MARIETTA DIEHL THORN JV
106	B	JAYCOR	33	B	MARTIN MARIETTA SERVICES INC
428	N	JOHNS HOPKINS UNIVERSITY	218	B	MARTIN MARIETTA WESTINGHSE JV
37	B	JOHNSON CONTRLS WORLD SVCS INC	13	N	MASSACHUSETTS INST OF TECH
180	B	JOHNSON MATTHEY INC	122	B	MAXWELL LABORATORIES INC
190	B	KAMAN AEROSPACE CORPORATION	332	N	MAYO FOUNDATION
68	B	KAMAN SCIENCES CORPORATION	307	B	MC WHITE SCIENTIFIC
277	B	KDI PRECISION PRODUCTS INC	27	B	MCDONNELL DOUGLAS AEROSPACE
63	B	KEARFOOT GUIDANCE & NAVIGATION	5	B	MCDONNELL DOUGLAS CORPORATION
288	B	KENDALL SQUARE RESEARCH CORP	43	B	MCDONNELL DOUGLAS HELICOPTER
363	B	KNOWLEDGE BASED SYSTEMS INC	268	B	MDT ADVISERS INC
240	B	KOPIN CORPORATION	226	B	MEI TECHNOLOGY CORPORATION
469	B	KRUG INTERNATIONAL CORPORATION	459	B	MENTOR GRAPHICS CORPORATION
400	B	L B & M ASSOCIATES INC	470	B	MERIDIAN CORPORATION
120	B	LAURENCE ASSOCIATES INC	437	B	METRO MACHINE CORP
319	B	LIFE CYCLE ENGINEERING INC	410	B	METROLASER
58	B	LIGHT HELICOPTER TURBINE ENG	274	B	METRON INC
47	B	LITTON INDUSTRIES INC	184	B	MEVATEC CORPORATION
182	B	LITTON SYSTEMS INC	325	N	MICHIGAN STATE OF
3	B	LOCKHEED AERONAUTICAL SYS CO	448	B	MICROCOM CORPORATION
54	B	LOCKHEED AIR TERMINAL INC	386	B	MICROELECTRONICS CMPT TECH CORP
270	B	LOCKHEED CORPORATION	452	N	MIDWEST RESEARCH INSTITUTE
141	B	LOCKHEED ENGRG & SCIENCES CO	372	B	MILLIPORE CORPORATION
35	B	LOCKHEED FORT WORTH CO	139	F	MINISTRY OF DEFENSE
12	B	LOCKHEED MISSILES & SPACE CO	80	B	MISSION RESEARCH CORPORATION
39	B	LOCKHEED SANDERS INC	24	N	MITRE CORPORATION
4	B	LOCKHEED WESTERN EXPORT CO	125	B	MODERN TECHNOLOGIES CORP
464	B	LOGICON EAGLE TECHNOLOGY INC	458	B	MOLECULAR DEVICES CORPORATION
96	B	LOGICON INC	97	B	MOTOROLA INC
77	B	LOGICON R & D ASSOCIATES	347	B	MRS TECHNOLOGY INC
460	B	LOGISTICS MANAGEMENT ENGRG	438	F	MTU MOTOREN-UND TURBINEN-UNION
126	N	LOGISTICS MANAGEMENT INSTITUTE	206	B	MULTI-ELECTRIC MFG INC

* B = Business Firm

F = Foreign Contractor

N = Nonprofit Institution

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1993**

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
461	B	N K F ENGINEERING INC	110	N	RAND CORPORATION
197	N	NATIONAL ACADEMY SCIENCES USA	441	B	RAYOVAC CORPORATION
40	B	NATIONAL PROGRAM OFFICE (NASP)	10	B	RAYTHEON COMPANY
425	B	NAVSTAR APPLIED SCIENCES CORP	374	B	RAYTHEON MIDDLE EAST SYSTEMS CO
426	B	NCHIP INC	451	B	RAYTHEON SERVICE COMPANY
339	N	NEW MEXICO INST OF MIN & TECH	223	B	RESEARCH & DEVELOPMENT LABS
244	N	NEW MEXICO STATE UNIVERSITY	436	B	RESEARCH MANAGEMENT CONS
104	B	NEWPORT NEWS SHIPBUILDING DRYDOCK	358	N	RESEARCH TRIANGLE INSTITUTE
38	B	NICHOLS RESEARCH CORPORATION	411	B	REVEO INC
169	B	NICHOLSON & ASSOCIATES INC	312	N	RIVERSIDE RESEARCH INSTITUTE
138	B	NORDEN SYSTEMS INC	15	B	ROCKWELL INTERNATIONAL CORP
34	B	NORTHROP CORPORATION	237	B	ROTARY POWER INTERNATIONAL
187	B	NORTON COMPANY	466	F	ROYAL NORWEGIAN COUNCIL SCI
210	B	OGDEN GOVERNMENT SERVICES CO	234	N	HUTGERS STATE UNIVERSITY
497	N	OKLAHOMA STATE UNIVERSITY	178	B	S Y A INC
144	B	OLIN CORPORATION	449	B	S R A TECHNOLOGIES INC
88	B	OLIN ORDNANCE	463	B	S SYSTEMS CORPORATION
258	N	OPEN SOFTWARE FOUNDATION INC	329	F	SAGEM/APPLICATIONS GENERALES D
446	B	OPTIMETRICS INC	186	B	SAIC ENGINEERING SYSTEMS
131	B	ORBITAL SCIENCES CORPORATION	249	N	SALK INST FOR BLGICAL STUDIES
432	N	OREGON GRADUATE CTR	109	B	SCHAFER W J ASSOCIATES INC
152	B	ORINCON CORPORATION	227	B	SCHNEIDER INC
181	B	ORION INTERNATIONAL TECH	229	B	SCIENCE & TECHNOLOGY CORP
404	B	ORION SCIENTIFIC SYSTEMS INC	22	B	SCIENCE APPLICATIONS INTL CORP
321	B	ORLANDO TECHNOLOGY INC	462	B	SCIENCE RESEARCH LABORATORY
232	B	PACER SYSTEMS INC	168	B	SEMCOR INC
241	B	PAR TECHNOLOGY CORPORATION	384	B	SENSIS CORPORATION
116	B	PARAMAK SYSTEMS CORP	91	B	SIKORSKY AIRCRAFT DIVISION
50	N	PENNSYLVANIA STATE UNIVERSITY	174	B	SMITHS INDUSTRIES INC USA
465	B	PERCEPTRONICS INC	482	N	SMITHSONIAN INSTITUTION
341	B	PHASE IV SYSTEMS INC	235	B	SOFTECH INC
264	B	PHOTON RESEARCH ASSOCIATES INC	250	B	SOFTWARE TECHNOLOGY INC
266	B	PHOTONICS TECHNOLOGY INC	192	B	SONALYSTS INC
290	B	PHYSICAL OPTICS CORPORATION	399	F	SOREQ NUCLEAR RESEARCH CENTRE
212	B	PHYSICAL SCIENCES INC	136	N	SOUTH CAROLINA WLDLF MBN RES
137	B	PHYSICS INTERNATIONAL COMPANY	296	N	SOUTHEASTER CNTR FG ELT
215	B	PIASECKI AIRCRAFT CORP	409	N	SOUTHERN RESEARCH INSTITUTE
331	B	PLANNING CONSULTANTS INC	156	N	SOUTHWEST RESEARCH INSTITUTE
165	B	PLANNING SYSTEMS INCORPORATED	163	B	SPACE APPLICATIONS CORPORATION
208	B	PMB ENGINEERING INC	89	B	SPACE DATA CORPORATION
371	F	PORTON INTERNATIONAL INC	87	B	SPARTA INC
496	B	POWER SPECTRA INC	188	B	SPARTON CORPORATION
444	B	PRATT & WHITNEY AIRCRAFT	383	B	SPECTRA DIODE LABORATORIES
94	B	PRC INC	435	B	SPECTRUM SCIENCES INC
414	B	PRESEARCH INCORPORATED	311	B	SPIRE CORPORATION
480	B	PULSE SCIENCES INC	155	B	SRA INTERNATIONAL INC
164	B	QUESTECH INC	79	N	SRI INTERNATIONAL
355	B	R J O ENTERPRISES INC	204	B	SRS TECHNOLOGIES
85	B	RACAL COMMUNICATIONS INC	45	B	SSI SERVICES INC
221	B	RAIL COMPANY	243	B	STANFORD TELECOMMUNICATIONS

* B = Business Firm

F = Foreign Contractor

N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1993

RANK	*	CONTRACTOR	RANK	*	CONTRACTOR
207	N	STANFORD UNIVERSITY	154	B	UNISYS CORPORATION
385	B	STEWART & STEVENSON SVCS INC	291	B	UNITED INTERNATIONAL ENGRG
476	B	STV GROUP INC	148	N	UNITED STATES DEPT COMMERCE
295	B	SUMMA TECHNOLOGY INC	257	N	UNITED STATES DEPT OF ENERGY
323	B	SUPERCONDUCTOR TECHNOLOGIES	11	B	UNITED TECHNOLOGIES CORP
357	B	SUPPORT CONTG SYSTEMS JV	472	B	UNIVERSAL TECHNOLOGY CORP
454	B	SUPPORT SYSTEMS ASSOCIATES	271	N	UNIVERSITY OF ALABAMA
61	B	SVERDRUP TECHNOLOGY INC	431	N	UNIVERSITY OF ARIZONA
361	B	SYNDEKIX INCORPORATED	173	N	UNIVERSITY OF CALIFORNIA
395	B	SYNECTICS CORP	255	N	UNIVERSITY OF CENTRAL FLORIDA
245	B	SYNETICS CORPORATION	90	N	UNIVERSITY OF DAYTON
333	N	SYRACUSE RESEARCH CORP	481	N	UNIVERSITY OF FLORIDA
278	B	SYSCON CORPORATION	322	N	UNIVERSITY OF ILLINOIS
340	B	SYSTEM DYNAMICS INTERNATIONAL	477	N	UNIVERSITY OF MARYLAND SYSTEM
150	B	SYSTEM PLANNING CORPORATION	304	N	UNIVERSITY OF MASSACHUSETTS
309	B	SYSTEM RESOURCES CORPORATION	324	N	UNIVERSITY OF MICHIGAN
421	B	SYSTEMS ANALYSIS & INTEGRATION	265	N	UNIVERSITY OF NEW MEXICO
132	B	SYSTEMS RESEARCH LABORATORIES	351	N	UNIVERSITY OF PENNSYLVANIA
380	B	SYSTRAN CORPORATION	83	N	UNIVERSITY OF PITTSBURGH
442	B	T P L INC	118	N	UNIVERSITY OF SOUTHERN CAL
391	F	TADIRAN ISRAEL ELECTRONICS IND	60	N	UNIVERSITY OF TEXAS SYSTEM
486	B	TALLEY DEFENSE SYSTEMS INC	133	N	UNIVERSITY OF WASHINGTON
53	B	TASC	111	N	UTAH STATE UNIVERSITY
224	B	TEC-MASTERS INC	128	B	UTC OPTICAL SYSTEMS INC
393	B	TECHNICAL & MGT SVCS CORP	338	N	VANDERBILT UNIVERSITY THE
488	B	TECHNICAL MICRONICS CONTROL	368	B	VANGUARD RESEARCH INC
415	B	TECHNOLOGY APPLICATIONS	115	B	VARO INC
179	B	TECHNOLOGY APPLICATIONS SVC CO	353	B	VECTOR RESEARCH COMPANY INC
170	B	TECOLOTE RESEARCH INC	193	B	VEDA INCORPORATED
21	B	TELEDYNE INDUSTRIES INC	397	B	VEDA INTERNATIONAL INC
378	B	TERA COMPUTER COMPANY	487	B	VENTURE PLASTICS INC
303	B	TETRA CORPORATION	191	B	VERAC INCORPORATED
52	B	TEXAS INSTR MARTIN MARIETTA JV	467	B	VISICOM LABORATORIES INC
202	B	TEXAS INSTRS WESTINGHOUSE JV	285	B	VISIDYNE INC
26	B	TEXAS INSTRUMENTS INCORPORATED	130	B	VITRO CORPORATION
434	B	TEXAS RESEARCH INTERNATIONAL	199	B	VITRONICS INC
430	B	TEXSTAR INC	405	B	VSE CORPORATION
72	B	TEXTRON INC	495	B	WAGNER CASTINGS COMPANY
147	B	THEMCO ELECTRON CORPORATION	484	B	WAGNER DANIEL H ASSOCIATES
158	B	THINKING MACHINES CORPORATION	365	F	WALES LTD
119	B	THIOKOL CORPORATION	412	B	WATERJET SYSTEMS INC
326	B	TITAN CORPORATION	433	B	WEIDLINGER ASSOCIATES INC
456	B	TOYON RESEARCH CORP	217	B	WESTINGHOUSE AIRSHIPS INC
95	B	TRACOR AEROSPACE INC	17	B	WESTINGHOUSE ELECTRIC CORP
124	B	TRACOR APPLIED SCIENCES INC	287	B	WHITTAKER CORPORATION
194	B	TRACOR INC	315	B	WILLIAMS INTERNATIONAL CORP
317	B	TRUSTED INFORMATION SYSTEMS	298	N	WOODS HOLE OCEANOGRAPHIC INST
7	B	TRW INC	343	B	XETRON CORPORATION
222	B	TSI INCORPORATED	479	B	XMR INC
231	B	UES INC	328	B	XONTECH INC

* B = Business Firm

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
1	MARTIN MARIETTA CORPORATION	1,996,240 *	7	TRW INC	585,773 *
	Huntsville Alabama	131		Huntsville Alabama	2,804
	Williams AFB Arizona	5,306		Carson California	20,563
	Redondo Beach California	368		Redondo Beach California	463,820
	San Bernardino California	41		San Bernardino California	74,444
	San Diego California	7,594		San Diego California	1,919
	Colorado Springs Colorado	15,912		Colorado Springs Colorado	800-
	Denver Colorado	1,294,106		New London Connecticut	1,317
	Falcon Colorado	63,837		North Stonington Connecticut	78
	Littleton Colorado	174,019		Silver Spring Maryland	999
	New London Connecticut	650		Bellevue Nebraska	8,612
	Daytona Beach Florida	8,164		Albuquerque New Mexico	47
	Eglin AFB Florida	393		Beavercreek Ohio	968
	Orlando Florida	109,106		Fairfax Virginia	2,279
	Baltimore Maryland	12,821		McLean Virginia	722
	Calverton Maryland	215			CANADA 8,000
	Glen Burnie Maryland	11,263			
	Lansdowne-Baltimore Maryland	48			
	Pittsfield Massachusetts	78,178			
	Camden New Jersey	1,142	8	BELL BOEING JV	472,174 *
	Cherry Hill New Jersey	1,504		Fort Worth Texas	472,224
	East Windsor New Jersey	50		Arlington Virginia	50-
	Livingston New Jersey	383			
	Moorestown New Jersey	46,577	9	BOEING COMPANY THE	457,046 *
	Princeton New Jersey	26,904		Huntsville Alabama	13,684
	Binghamton New York	200		Vandenberg AFB California	2,026
	Johnson City New York	51		Denver Colorado	933
	Syracuse New York	17,677		Wichita Kansas	7,590
	Utica New York	1,165		Philadelphia Pennsylvania	7,226
	Wright Patterson AFB Ohio	1,392		Kent Washington	4,997
	Bethel Pennsylvania	1,330		Renton Washington	40
	King of Prussia Pennsylvania	9,605		Seattle Washington	420,548
	Philadelphia Pennsylvania	85,384			
	Warminster Pennsylvania	30	10	RAYTHEON COMPANY	455,137 *
	Burlington Vermont	15,020		Goleta California	19,951
	Lynnhaven Shores Virginia	47		San Diego California	160
	Yona Marshall !	5,626		Andover Massachusetts	,826
2	FOUNDATION HEALTH CORPORATION	817,832 *		Bedford Massachusetts	46,895
	Rancho Cordova California	79,435		Boston Massachusetts	150
	Sacramento California	738,397		Burlington Massachusetts	31
3	LOCKHEED AERONAUTICAL SYS CO	810,773 *		Hanscom AFB Massachusetts	2,394
	Burbank California	659		Lexington Massachusetts	3,106
	Marietta Georgia	810,115		Marlborough Massachusetts	76,020
4	LOCKHEED WESTERN EXPORT CO	769,457 *		Norwood Massachusetts	198
	San Diego California	208		Sudbury Massachusetts	86,841
	Marietta Georgia	769,250		Tewksbury Massachusetts	32,250
5	MCDONNELL DOUGLAS CORPORATION	743,692 *		Waltham Massachusetts	777
	Long Beach California	45		Wayland Massachusetts	149,896
	Palo Alto California	2,750		West Andover Massachusetts	3,318
	San Bernardino California	921-		Middletown Rhode Island	218
	San Diego California	489		Portsmouth Rhode Island	29,106
	Santa Ana California	382			
	Tampa Florida	429	11	UNITED TECHNOLOGIES CORP	395,613 *
	Titusville Florida	3,618		Huntsville Alabama	3,187
	Sherman Kansas	81		Bloomfield Connecticut	502
	Wichita Kansas	7,856		East Hartford Connecticut	8,799
	Berkeley Missouri	930		East Hartland Connecticut	192
	Hazelwood Missouri	244		Trumbull Connecticut	1,275
	St. Louis Missouri	716,108		West Palm Beach Florida	381,658
	Norman Oklahoma	10,903			
	Bergstrom AFB Texas	126	12	LOCKHEED MISSILES & SPACE CO	395,584 *
	Randolph AFB Texas	103		Huntsville Alabama	5,350
	San Antonio Texas	230		Palo Alto California	11,012
	Oceana Naval Air Sta Virginia	320		Sunnyvale California	348,565
6	GRUMMAN AEROSPACE CORPORATION	742,143 *		Mercury Nevada	518
	Edwards AFB California	100		Albuquerque New Mexico	1,247
	Melbourne Florida	56,313		Austin Texas	28,890
	Bemis Heights New York	156-			
	Bethpage New York	685,475			
	Springfield Virginia	410			
			14	HUGHES AIRCRAFT COMPANY	353,693 *
				Huntsville Alabama	28,267
				Tucson Arizona	2,913
				Buena Park California	3,290
				Carlsbad California	3,495
				El Segundo California	33,387
				Fullerton California	49,514
				Goleta California	53,996

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
	HUGHES AIRCRAFT COMPANY (Cont)				22	SCIENCE APPLICATIONS INTL CORP	257,630 *
	Los Angeles	California	153,158		Huntsville	Alabama	15,866
	Malibu	California	9,456		Tucson	Arizona	463
	Manhattan Beach	California	6,410		Hermosa Beach	California	1,516
	San Diego	California	6,140		Bridgecrest	California	734
	Torrance	California	1,228		San Diego	California	100,161
	Severna Park	Maryland	232		Santa Ana	California	2,218
	Hanscom AFB	Massachusetts	2,207		Sunnyvale	California	150
15	ROCKWELL INTERNATIONAL CORP		347,916 *		Torrance	California	10,511
	Anaheim	California	45,804		New London	Connecticut	2,855
	Downey	California	85,997		Washington	D.C.	588
	El Segundo	California	50-		Stow	Maine	47
	Los Angeles	California	81,067		Las Vegas	Nevada	432
	Santa Barbara	California	150		Albuquerque	New Mexico	13,187
	Seal Beach	California	6,725		Beaver Creek	Ohio	1,013
	Thousand Oaks	California	15,185		Dayton	Ohio	10,637
	Duluth	Georgia	2,463		Fort Washington	Pennsylvania	1,051
	Puunene	Hawaii	11,401		Alexandria	Virginia	5,896
	Cedar Rapids	Iowa	81,620		Arlington	Virginia	22,699
	Shreveport	Louisiana	49		Falls Church	Virginia	9,722
	Albuquerque	New Mexico	495		McKnight's Mill	Virginia	100
	Kirtland AFB	New Mexico	9,250		McLean	Virginia	46,344
	Tulsa	Oklahoma	140		Newington	Virginia	4,688
	Richardson	Texas	7,621		Vienna	Virginia	6,632
16	LORAL VOUGHT SYSTEMS		339,026 *		Bellevue	Washington	119
	Camden	Arkansas	26,326	23	INTERNATIONAL BUS MCHS CORP	241,940 *	
	San Diego	California	2,115		Los Angeles	California	2,928
	Buffalo	New York	800		San Jose	California	1,787
	Beaver Creek	Ohio	126		Boulder	Colorado	2,000
	Dallas	Texas	283,894		Orlando	Florida	30,785
	Grand Prairie	Texas	24,258		Bethesda	Maryland	90
	Arlington	Virginia	1,507		Gaithersburg	Maryland	30,360
17	WESTINGHOUSE ELECTRIC CORP		337,893 *		Owego	New York	65,762
	Sunnyvale	California	67,760		Yorktown	New York	4,387
	Annapolis	Maryland	6,958		Manassas	Virginia	103,840
	Baltimore	Maryland	71,502	26	TEXAS INSTRUMENTS INCORPORATED	233,220 *	
	Cockeysville	Maryland	252		Redstone Arsenal	Alabama	80
	Hanover	Maryland	6,012		San Diego	California	446
	Linthicum	Maryland	399		Colorado Springs	Colorado	2,538
	Sykesville	Maryland	1,125		Dallas	Texas	183,234
	Sayreville	New Jersey	205		Lewisville	Texas	39,344
	Cleveland	Ohio	13,696		McKinney	Texas	6,783
	Pittsburgh	Pennsylvania	7,811		Plano	Texas	700
	West Mifflin	Pennsylvania	7,773		Sherman	Texas	94
			154,400	27	MCDONNELL DOUGLAS AEROSPACE	224,376 *	
18	AEROSPACE CORPORATION		301,094 *		Huntsville	Alabama	235
	El Segundo	California	301,094		Huntington Beach	California	210,784
19	BOEING SRSKY COMANCHE TEAM JV		298,743 *		San Diego	California	125
	Philadelphia	Pennsylvania	298,743		Santa Ana	California	1,156
20	GENERAL ELECTRIC COMPANY		275,167 *		Vandenberg AFB	California	12,076
	Fitchburg	Massachusetts	2,500	28	GENERAL DYNAMICS CORPORATION	223,374 *	
	Lynn	Massachusetts	178,798		San Diego	California	77,034
	Princeton	New Jersey	100		Groton	Connecticut	55,510
	Schenectady	New York	8,802		New London	Connecticut	281
	Cincinnati	Ohio	84,229		Ann Arbor	Michigan	1,500
	Evendale	Ohio	240		Lawrence	Michigan	32
	Seattle	Washington	498		Sterling Heights	Michigan	80,859
21	TELEDYNE INDUSTRIES INC		259,767 *		Warren	Michigan	311
	Huntsville	Alabama	83,421		Middletown	Rhode Island	6,866
	Jackson	Alabama	214		Newport	Rhode Island	50
	Palo Alto	California	1,124		Arlington	Virginia	115-
	San Diego	California	30,525	29	AEROJET-GENERAL CORPORATION	196,034 *	
	Santa Clara	California	2,135		Azusa	California	178,105
	Lutherville-Timonium	Maryland	72		Downey	California	1,636
	Muskegon	Michigan	140,787		Nimbus	California	810
	Hudson	New Hampshire	40		Sacramento	California	14,621
	Toledo	Ohio	1,220		Tustin	California	143
	Alexandria	Virginia	229		Fort Walton Beach	Florida	519

- = Minus Amount (Cancellations Exceed New Awards)
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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
	AEROJET-GENERAL CORPORATION (Cont)						
	Jonesboro	Tennessee	200				
30	DOUGLAS AIRCRAFT COMPANY		173,414 *	40	NATIONAL PROGRAM OFFICE (NASP)	California	104,596 *
	Long Beach	California	173,252		Seal Beach		104,596
	Torrance	California	33	41	GRUMMAN CORPORATION		102,765 *
	San Antonio	Texas	129		Melbourne	Florida	101,611
31	LORAL CORP		171,630 *		Bethpage	New York	1,153
	Litchfield Park	Arizona	2,002	42	GTE GOVERNMENT SYSTEMS CORP		102,717 *
	Glendale	California	8,824		San Diego	California	318
	Milpitas	California	647		Denver	Colorado	73,733
	Palo Alto	California	1,053		Needham	Massachusetts	13,390
	Pasadena	California	7,259		Taunton	Massachusetts	5,764
	San Jose	California	25,780		Waltham	Massachusetts	541
	Sunnyvale	California	19,800		Westborough	Massachusetts	2,017
	Colorado Springs	Colorado	35,439		Chantilly	Virginia	1,015
	Sarasota	Florida	100		Yona	Marshall I	5,939
	Lexington	Massachusetts	21,487	43	MCDONNELL DOUGLAS HELICOPTER		101,015 *
	St. Paul	Minnesota	299		Mesa	Arizona	101,015
	Syosset	New York	16,440	44	E-SYSTEMS INC		98,921 *
	Yonkers	New York	3,461		Saint Petersburg	Florida	64,352
	Republican	North Carolina	415		Dallas	Texas	2,803
	Akron	Ohio	12,127		Garland	Texas	2,785
	Archbald	Pennsylvania	16,343		Greenville	Texas	11,728
	Naval USC	Rhode Island	47		Salt Lake City	Utah	5,000
	Reston	Virginia	106		Falls Church	Virginia	12,039
32	GENERAL MOTORS CORPORATION		155,357 *		Vienna	Virginia	213
	Indianapolis	Indiana	155,313	45	SSI SERVICES INC		97,861 *
	Detroit	Michigan	44		Arnold Air Force Sta Tennessee		97,861
33	MARTIN MARIETTA SERVICES INC		141,432 *	46	COMPUTER SCIENCES CORPORATION		94,293 *
	Princeton	New Jersey	141,432		Huntsville	Alabama	747
34	NORTHROP CORPORATION		131,551 *		Madison	Alabama	979
	Hawthorne	California	114,817		Lompoc	California	404
	Pico Rivera	California	6,630		San Bernardino	California	1,545
	Thousand Oaks	California	4,874		San Diego	California	6,369
	Rolling Meadows	Illinois	5,230		Andrews AFB	Maryland	3,085
35	LOCKHEED FORT WORTH CO		120,086 *		Moorestown-Lenola	New Jersey	40,394
	San Diego	California	814		Albuquerque	New Mexico	1,470
	Fort Worth	Texas	119,272		Holloman AFB	New Mexico	267
36	LORAL AEROSPACE CORP		118,726 *		Warrminster	Pennsylvania	3,275
	Newport Beach	California	8,661		Dahlgren	Virginia	11,869
	Palo Alto	California	1,498		Falls Church	Virginia	23,888
	San Jose	California	19,086	47	LITTON INDUSTRIES INC		86,227 *
	Sunnyvale	California	1,299		Tempe	Arizona	6,827
	West Athens	California	31		Agora Hills	California	1,022
	Colorado Springs	Colorado	88,344		Los Angeles	California	70,057
	Yona	Marshall I	193-		San Carlos	California	2,151
37	JOHNSON CONTRLS WORLD SVCS INC		110,073 *		San Jose	California	1,588
	Cape Canaveral	Florida	88,259		Woodland	California	3,825
	Mercury	Nevada	566		Waltham	Massachusetts	496
	Arnold Air Force Sta Tennessee		376-	48		GERMANY	263
	Yona	Marshall I	21,624	48	HARRIS CORPORATION		84,421 *
38	NICHOLS RESEARCH CORPORATION		108,288 *		Mountain View	California	85
	Huntsville	Alabama	104,227		Fort Walton Beach	Florida	329
	New London	Connecticut	100		Melbourne	Florida	77,258
	Cape Canaveral	Florida	1,664		Palm Bay	Florida	4,262
	Wakefield	Massachusetts	48		Baltimore	Maryland	204
	Ann Arbor	Michigan	460		Lexington	Massachusetts	131
	Dayton	Ohio	1,789		Buffalo	New York	161
39	LOCKHEED SANDERS INC		106,757 *		New Hartford	New York	267
	New London Naval Und	Connecticut	50		Schenectady	New York	350
	Hudson	New Hampshire	11,698		State College	Pennsylvania	856
	Manchester	New Hampshire	2,515		Austin	Texas	337
	Merrimack	New Hampshire	550		Hampton	Virginia	182
	Nashua	New Hampshire	90,153				
	White Sands MSL RGE	New Mexico	1,792				

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
49	FMC CORPORATION San Jose Santa Clara Minneapolis	83,824 *	66	CALSPAN CORPORATION Lawrence Buffalo Springville Arnold Air Force Sta	55,233 * 80 20,798 288 34,066
51	ALLIANT TECHSYSTEMS INC San Diego Littleton Savannah Brooklyn Park Edina Edna (Township of) Hibbing Hopkins Minneapolis Minnetonka New Brighton Eatontown Horsham Middletown Arlington Mukilteo Cudahy	82,049 *	67	BDM MANAGEMENT SERVICES CO Monterey Redlands Tyndall AFB Columbia Albuquerque Kirtland AFB Arlington McLean Norfolk	54,783 * 349 60 4,338- 125 7,452 2,219 991 47,875 50
52	TEXAS INSTR MARTIN MARIETTA JV Denton Lewisville	81,466 *	68	KAMAN SCIENCES CORPORATION Huntsville Colorado Springs Hartford New London Washington Barnstable Albuquerque Utica State College Alexandria Battle Creek	54,371 * 9,129 19,573 110 105 6,831 395 8,906 4,209 3,866 997 250
53	TASC Fort Walton Beach Patrick AFB Reading New Hartford Fairborn Alazan Arlington	79,109 *	71	BOEING AEROSPACE OPERATIONS Huntsville Houston Kent Seattle	52,874 * 1,009 125 16,916 34,824
54	LOCKHEED AIR TERMINAL INC Burbank	74,945 *	72	TEXTRON INC Everett Lowell Wilmington Buffalo Wheatfield Cincinnati	51,038 * 6,929 760 35,501 80 788 6,980
56	MAC GREGOR-NAVIRE USA INC Gulfport Vienna	70,880 *	73	HONEYWELL INC Phoenix Clearwater Beverly Bloomington Minneapolis New Hope Plymouth St. Louis Park Albuquerque	50,201 * 1,497 14,690 41 5,613 7,695 60 4,235 2,284 14,086
57	AMERICAN TELEPHONE & TELCO Washington Naperville Baton Rouge Holden Whippany Greensboro Arlington	70,781 *	74	ENGINEERING RESEARCH ASSOC Dallas Vienna	49,053 * 44,785 4,269
58	LIGHT HELICOPTER TURBINE ENG St. Louis	67,524 *	75	HERCULES INCORPORATED Clearwater McGregor Lyford Magna Rocket Center	48,944 * 16,192 2,962 200 26,043 3,546
61	SVERDRUP TECHNOLOGY INC Arnold Air Force Sta Tennessee Tullahoma	58,735 * 54,900 3,835	76	GEC INCORPORATED San Diego New London Little Falls Wayne	47,037 * 92 88 4,655 40,945 1,256
62	MAGNAVAC GOVT & INDSTR ELCTR Torrance Fort Wayne Mahwah	58,281 *			
63	KEARFOOT GUIDANCE & NAVIGATION Little Falls Wayne	57,919 * 2,991 54,928			
64	COLEMAN RESEARCH CORPORATION Huntsville Orlando White Sands MSL RGE	58,779 * 21,080 35,126 573			

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
77	LOGICON R & D ASSOCIATES		45,106 *	88	OLIN ORDNANCE	Saint Petersburg	39,170 *
	Los Angeles	California	677			Charleston	36,666
	Marina del Ray	California	27,684			Tennessee	2,304
	Albuquerque	New Mexico	4,445	89	SPACE DATA CORPORATION		38,674 *
	Kirtland AFB	New Mexico	10,363		Chandler	Arizona	35,945
78	HARRIS MAGNAVOX SYSTEMS CO JV	Melbourne	44,681 *		Tempe	Arizona	2,730
		Florida	44,681	91	SIKORSKY AIRCRAFT DIVISION		35,714 *
80	MISSION RESEARCH CORPORATION	S	43,681 *		Troy	Alabama	21,392
	Anaheim	California	5,310		Stratford	Connecticut	14,322
	Costa Mesa	California	250	92	COLSA INC		35,165 *
	San Diego	California	150		Huntsville	Alabama	33,413
	San Dimas	California	314		Odenton	Maryland	1,753
	Santa Barbara	California	22,448	93	BOEING CO & SIKORSKY ACFT JV		34,073 *
	Santa Maria Public A	California	393		Trumbull	Connecticut	360-
	Colorado Springs	Colorado	1,490		Philadelphia	Pennsylvania	30,000
	New London	Connecticut	60		Clarksville	Tennessee	4,433
	Washington	D.C.	125	94	PRC INC		32,599 *
	Nashua	New Hampshire	3,132		Huntsville	Alabama	1,649
	Albuquerque	New Mexico	7,804		San Diego	California	4,596
	Los Alamos	New Mexico	150		Albuquerque	New Mexico	2,854
	Dayton	Ohio	131		Dahlgren	Virginia	2,748
	Newington	Virginia	1,925		McLean	Virginia	20,752
81	B002 ALLEN & HAMILTON INC		43,397 *	95	TRACOR AEROSPACE INC		32,070 *
	Huntsville	Alabama	1,708		San Ramon	California	233
	Mountain View	California	2,907		Austin	Texas	31,692
	Bethesda	Maryland	11,552		Provo	Utah	145
	Oceansport	New Jersey	40	96	LOGICON INC		30,492 *
	Albuquerque	New Mexico	895		Irvine	California	100
	Arlington	Virginia	6,395		Los Angeles	California	10,663
	Falls Church	Virginia	7,010		New London	Connecticut	118
	McLean	Virginia	12,890		Winter Park	Florida	197
82	BOLT BERANEK AND NEWMAN INC		42,680 *		Bellevue	Nebraska	561
	Los Angeles	California	916		Albuquerque	New Mexico	390
	San Diego	California	2,475		Wright Patterson AFB	Ohio	14,825
	New London	Connecticut	3,940		Warminster	Pennsylvania	57
	Cambridge	Massachusetts	31,350		Arlington	Virginia	943
	Frytown	Virginia	4,000		McLean	Virginia	2,637
84	HUGHES MISSILE SYSTEMS CO		42,011 *	97	MOTOROLA INC		30,096 *
	Tucson	Arizona	180		Chandler	Arizona	3,550
	Ontario	California	20,939		Scottsdale	Arizona	26,546
	Pomona	California	19,901	99	A A I CORPORATION		28,277 *
	Rancho Cucamonga	California	990		Bethesda	Maryland	866
85	RACAL COMMUNICATIONS INC		41,524 *		Cockeysville	Maryland	27,410
	Rockville	Maryland	41,524	100	GTE CORPORATION		27,769 *
86	ALLIED SIGNAL INC		39,725 *		Mountain View	California	43
	Phoenix	Arizona	2,400		Colorado Springs	Colorado	11,222
	Los Angeles	California	1,842		Needham	Massachusetts	7,325
	Torrance	California	37-		Waltham	Massachusetts	745
	Washington	D.C.	776		Westborough	Massachusetts	8,434
	Des Plaines	Illinois	246	101	ITT CORPORATION		27,531 *
	Mishawaka	Indiana	72		Eglin AFB	Florida	788
	Columbia	Maryland	30,339		Clifton	New Jersey	6,357
	Morristown	New Jersey	126		Nutley	New Jersey	10,250
	Albuquerque	New Mexico	3,962		Easton	Pennsylvania	91
87	SPARTA INC		39,300 *		Roanoke	Virginia	10,044
	Huntsville	Alabama	11,731	102	BDM INTERNATIONAL INC		27,330 *
	Edwards AFB	California	6,511		Huntsville	Alabama	6,348
	Laguna Hills	California	4,125		Monterey	California	1,625
	San Bernardino	California	71		Albuquerque	New Mexico	4,732
	San Diego	California	13,954		Kirtland AFB	New Mexico	1,286
	Lexington	Massachusetts	1,638		McLean	Virginia	13,305
	McLean	Virginia	1,270		Norfolk	Virginia	33

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
103	ANALYSIS & TECHNOLOGY INC Groton Mystic New London North Stonington Panama City Beach National Space Techn Butler Middletown Newport Arlington	27,325 * 391 696 10,595 5,788 5,318 2,356 40 393 542 1,207		THIOKOL CORPORATION (Cont) Promontory Salt Lake City	Utah Utah 740 300
104	NEWPORT NEWS SHPBLDING DRYDOCK Newport News	27,167 * 27,167	120	LAURENCE ASSOCIATES INC Dayton	Ohio 21,073 * 21,073
105	CADILLAC GAGE TEXTRON INC Aberdeen Warren	25,923 * 341 25,562	121	INTERMETRICS INC Huntington Beach Cambridge Holloway AFB Warminster McLean	California Massachusetts New Mexico Pennsylvania Virginia 20,956 * 1,123 3,750 2,792 11,142 2,150
106	JAYCOR San Diego Colorado Springs Vicksburg Albuquerque Fairborn Vienna Uise (Gladeville)	25,694 * 17,875 1,451 121 810 2,657 2,630 150	122	MAXWELL LABORATORIES INC San Diego Albuquerque Reams Reston	California New Mexico Virginia Virginia 20,654 * 19,710 192 100 652
107	ASSURANCE TECHNOLOGY CORP Washington Carlisle Alexandria	S 24,921 * D.C. 540 19,664 4,717	123	ATLANTIC RESEARCH CORPORATION Washington Rockville Severna Park Fairborn Alexandria Dahlgren Fredericksburg Gainesville	D.C. Maryland Maryland Ohio Virginia Virginia Virginia Virginia 20,544 * 32 3,216 758 1,954 481 75 3,042 10,986
108	ESL INCORPORATED Sunnyvale	24,607 * 24,062	124	TRACOR APPLIED SCIENCES INC San Diego San Ramon Groton New London Bayview	California California Connecticut Connecticut Idaho 20,016 * 231 480 1,107 1,316 1,361
109	SCHAFFER W J ASSOCIATES INC Chelmsford Arlington	24,108 * 23,840 268		California Rockville Austin San Antonio Arlington	Maryland Maryland Texas Texas Virginia 7,451 903 5,352 160 1,556
113	GEO CENTERS INC Washington Aberdeen PROV GRND Boston Natick R & D Center Newton	23,337 * D.C. Maryland Massachusetts Massachusetts 13,711	125	MODERN TECHNOLOGIES CORP Oceanport Columbus Dayton San Antonio	S 19,522 * New Jersey Ohio Ohio Texas 7,846 913 2,954 7,809
115	VABO INC Garland	23,018 * 23,018	127	MAKIN MARIETTA DIEHL THORN JV Orlando	Florida Florida 19,329 * 19,329
116	PARAMAX SYSTEMS CORP Huntsville San Diego Panama City Beach St. Paul Great Neck Paoli Trevose Warminster Naval USC Dahlgren McLean Newington Reston	22,899 * Alabama California Florida Minnesota New York Pennsylvania Pennsylvania Pennsylvania Rhode Island Virginia Virginia Virginia Virginia 71 1,194 1,840 5,180 4,998 478 200 97 49 870 75 100 7,747	128	UTC OPTICAL SYSTEMS INC West Palm Beach Kirtland AFB	Florida New Mexico 19,138 * 18,506 633
117	EER SYSTEMS CORPORATION Highland Park Vienna	S 21,653 * Virginia Virginia 323 21,330	130	VITRO CORPORATION Bath Bethesda Silver Spring Pascagoula Moorestown-Lenola Warminster Middletown Dahlgren	Maine Maryland Maryland Mississippi New Jersey Pennsylvania Rhode Island Virginia 18,698 * 372 35 4,885 378 80 3,437 239 9,274
119	THIOKOL CORPORATION Huntsville Shreveport Elkton Marshall Brigham City	21,405 * Alabama Louisiana Maryland Texas Utah 576 174 12,174 315 7,126	131	ORBITAL SCIENCES CORPORATION Tempe Chantilly Dulles Int A/P Fairfax McLean	Arizona Virginia Virginia Virginia Virginia 18,678 * 109 8,250 313 8,047 1,959

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Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
132	SYSTEMS RESEARCH LABORATORIES		18,416 *	153	CONCURRENT COMPUTER CORP	Pennsylvania	15,354 *
	Dayton	Ohio	2,695		Johnstown		15,354
	Bright Patterson AFB	Ohio	14,611				
	San Antonio	Texas	1,110				
134	INTEL CORPORATION		18,114 *	154	UNISYS CORPORATION	California	15,313 *
	Beaverton	Oregon	18,114		San Diego	332	
					Panama City Beach	320	
					St. Paul	3,441	
					Great Neck	6,734	
					Trevose	457	
	GTE SYLVANIA COM PRODUCTS		18,044 *		Warrington	300	
	Needham	Massachusetts	17,772		Salt Lake City	2,707	
	Westborough	Massachusetts	272		Dahlgren	70	
					McLean	952	
137	PHYSICS INTERNATIONAL COMPANY		17,637 *	155	SRA INTERNATIONAL INC	California	15,143 *
	San Leandro	California	17,461		El Segundo	1,128	
	Andover	Massachusetts	176		Arlington	14,015	
138	NORDEN SYSTEMS INC		17,613 *	157	MADEN TECH CONSULTING INC	S	14,925 *
	New London	Connecticut	180		Arlington	Virginia	12,970
	Norwalk	Connecticut	4,957		McLean	Virginia	1,955
	Melville	New York	12,476	158	THINKING MACHINES CORPORATION	S	14,701 *
					Cambridge	Massachusetts	14,701
140	FAIRCHILD SPACE AND DEF CORP		17,363 *	159	CIA INCORPORATED	S	14,440 *
	Washington	D.C.	174		Ridgecrest	California	14,187
	Annapolis	Maryland	16,130		Englewood	Colorado	223
	Greenbelt	Maryland	1,059		Rockville	Maryland	30
141	LOCKHEED ENGRG & SCIENCES CO		17,149 *	160	FAIRCHILD INDUSTRIES INC		14,408 *
	White Sands MSL RGE	New Mexico	10,991		Annapolis	Maryland	5,071
	Dugway Proving Grd	Utah	6,158		Germantown	Maryland	9,126
					Greenbelt	Maryland	210
142	CHRYSLER TECH ARBR SYSTEMS		16,998 *	161	AMHERST SYSTEMS INC	S	14,251 *
	Waco	Texas	16,998		Buffalo	New York	14,251
143	CAS INC		16,795 *	162	LTV CORPORATION		14,191 *
	Huntsville	Alabama	16,795		Camden	Arkansas	15,625
144	OLIN CORPORATION		16,755 *		Dallas	Texas	1,434-
	Saint Petersburg	Florida	16,755	163	SPACE APPLICATIONS CORPORATION		14,131 *
145	HAZELTINE CORPORATION		16,629 *		Santa Clara	California	11,402
	Braintree	Massachusetts	1,083		Arlington	Virginia	2,406
	Greenlawn	New York	15,545		Kent	Washington	322
146	BALL CORPORATION		16,499 *	164	QUESTECH INC		14,121 *
	Boulder	Colorado	14,716		San Diego	California	143
	Broomfield	Colorado	1,085		Washington	D.C.	1,098
	Kirtland AFB	New Mexico	697		Dayton	Ohio	3,486
147	THERMO ELECTRON CORPORATION		16,396 *		Wright Patterson AFB	Ohio	1,118
	San Diego	California	16,361		Falls Church	Virginia	8,276
	Waltham	Massachusetts	35	165	PLANNING SYSTEMS INCORPORATED	S	14,095 *
149	ARINC RESEARCH CORPORATION		16,012 *		San Diego	California	400
	San Diego	California	13,160		Washington	D.C.	239
	Annapolis	Maryland	2,852		Slidell	Louisiana	125
150	SYSTEM PLANNING CORPORATION		15,877 *		Silver Spring	Maryland	456
	Santa Cruz	California	51		National Space Techn	Mississippi	3,385
	Chesapeake Beach	Maryland	775		McLean	Virginia	9,440
	Arlington	Virginia	14,171		Oak Ridge	Virginia	50
	Hampton	Virginia	309	166	ADVANCE INCORPORATED	S	14,086 *
	Vienna	Virginia	572		Arlington	Virginia	11,672
151	HARSCO CORPORATION		15,798 *		Dahlgren	Virginia	2,414
	York	Pennsylvania	15,798	167	ELECTRONIC WARFARE ASSOCIATES	S	13,654 *
152	ORINCON CORPORATION		15,616 *		Orlando	Florida	252
	San Diego	California	15,504		Dayton	Ohio	11,648
	Arlington	Virginia	112		Vienna	Virginia	313
					Fairmont	West Virginia	1,441

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Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
168	SENCOR INC		13,603 *	185	GENERAL ATOMICS		11,871 *
	Mount Laurel	New Jersey	13,561		San Diego	California	11,871
	Warrington	Pennsylvania	41				
169	NICHOLSON & ASSOCIATES INC	S	13,490 *	186	SAIC ENGINEERING SYSTEMS		11,862 *
	Huntsville	Alabama	13,490		San Diego	California	11,862
170	TECOLOTE RESEARCH INC	S	13,261 *	187	NORTON COMPANY		11,619 *
	Huntsville	Alabama	2,627		Northborough	Massachusetts	11,501
	Santa Barbara	California	7,815		Ravenna	Ohio	118
	Dayton	Ohio	2,820	188	SPARTON CORPORATION		11,557 *
171	CHAMBERLAIN MANUFACTURING CORP		13,193 *		Fort Wayne	Indiana	4,161
	Waterloo	Iowa	216		Jackson	Michigan	7,396
	Bethesda	Maryland	1,544	189	AVCO RESEARCH LABS		11,492 *
	Cockeysville	Maryland	10,634		Everett	Massachusetts	11,492
	Scranton	Pennsylvania	800	190	KAMAN AEROSPACE CORPORATION		11,349 *
172	COMPREHENSIVE TECH INTL	S	13,146 *		Tucson	Arizona	652
	Arlington	Virginia	13,102		Bloomfield	Connecticut	10,697
	Chantilly	Virginia	43	191	VERAC INCORPORATED		11,295 *
174	SMITHS INDUSTRIES INC USA		13,069 *		San Diego	California	4,796
	Grand Rapids	Michigan	13,069		Albuquerque	New Mexico	400
175	EG&G WASHINGTON ANALYTICAL SVC		12,813 *		Fairborn	Ohio	6,099
	Groton	Connecticut	554	192	SONALYSTS INC		11,111 *
	New London	Connecticut	210		San Diego	California	1,794
	Bivalve	Maryland	225		Groton	Connecticut	315
	Rockville	Maryland	8,168		New London	Connecticut	4,453
	Dahlgren	Virginia	3,656		Waterford	Connecticut	4,254
176	AMTEC CORPORATION	S	12,730 *		Washington	D.C.	136
	Huntsville	Alabama	12,730		Winter Park	Florida	129
177	DYNETICS INC	S	12,306 *		Norfolk	Virginia	30
	Huntsville	Alabama	12,306	193	VEDA INCORPORATED		11,083 *
178	S F A INC	S	12,211 *		Lexington Park	Maryland	191
	Washington	D.C.	9,695		Dayton	Ohio	5,306
	Bethesda	Maryland	94		Warriner	Pennsylvania	4,971
	Frederick	Maryland	248		Alexandria	Virginia	615
	Landover	Maryland	2,174	194	TRACOR INC		10,969 *
179	TECHNOLOGY APPLICATIONS SVC CO	S	12,208 *		New London	Connecticut	278
	Gaithersburg	Maryland	12,208		Rockville	Maryland	171
180	JOHNSON MATTHEY INC		12,157 *		Austin	Texas	9,832
	Spokane	Washington	12,157		San Antonio	Texas	394
181	ORION INTERNATIONAL TECH	S	12,133 *		Provo	Utah	294
	Palm Bay	Florida	1,561	195	ALLIED SIGNAL AEROSPACE CO		10,895 *
	Albuquerque	New Mexico	4,801		Phoenix	Arizona	905
	Bernalillo	New Mexico	574		Tempe	Arizona	200
	White Sands MSL RGE	New Mexico	5,198		Torrance	California	2,546
182	LITTON SYSTEMS INC		12,031 *		South Bend	Indiana	107
	Los Angeles	California	7,322		Baltimore	Maryland	5,500
	San Jose	California	100		Columbia	Maryland	659
	Sunnyvale	California	145		St. Inigoes	Maryland	740
	Woodland	California	139		Teterboro	New Jersey	237
	South Windsor	Connecticut	600	196	ENVIRONMENTAL TECH GROUP	S	10,508 *
	Davenport	Iowa	801		Baltimore	Maryland	6,499
	College Park	Maryland	163		Chelsea Beach	Maryland	4,010
	Lexington	Massachusetts	2,761	198	EBASCO SERVICES INCORPORATED		10,356 *
183	CUBIC CORPORATION		12,024 *		New York	New York	10,174
	San Diego	California	12,024		Bellevue	Washington	182
184	HEVATEC CORPORATION	S	11,973 *	199	VITRONICS INC		10,268 *
	Huntsville	Alabama	11,973		Eatontown	New Jersey	10,268
				200	CONTRAVES INC		10,172 *
					Marlboro	Massachusetts	1,161
					Koppel	Pennsylvania	8,307
					Pittsburgh	Pennsylvania	704

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Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
201	BECHTEL NATIONAL INC San Francisco	10,163 *	220	FOSTER MILLER INC Port Hueneme	S 9,034 *
	California	10,163		New London	65
202	TEXAS INSTRS WESTINGHOUSE JV Dallas	10,139 *		Connecticut	52
	Texas	8,315		Silver Spring	49
	McKinney	1,824		Waltham	Massachusetts 8,813
	California			Weston	Massachusetts 55
203	CARTWRIGHT ELECTRONICS INC Duncan	S 9,962 *	221	RAIL COMPANY Falls Church	S 8,915 *
	Arkansas	3,525		Virginia	8,915
	Fullerton	6,437			
204	SRS TECHNOLOGIES Huntsville	S 9,902 *	222	TSI INCORPORATED St. Paul	S 8,780 *
	Alabama	1,493		Minnesota	8,780
	Newport Beach	8,409			
205	AEROMET INC Tulsa	S 9,898 *	223	RESEARCH & DEVELOPMENT LABS China Lake NWC	S 8,755 *
	Oklahoma	9,214		Culver City	California 27
	Yona	684		Los Angeles	California 8,539
	Marshall I				California 189
206	MULTI-ELECTRIC MFG INC Chicago	S 9,762 *	224	TEC-MASTERS INC Huntsville	S 8,742 *
	Illinois	9,762		Alabama	8,742
208	PMB ENGINEERING INC Port Hueneme	S 9,670 *	225	BELL HELICOPTER SERVICES INC Fort Worth	8,738 *
	California	4,211		Texas	8,738
	Arlington	5,460			
209	APPLIED RESEARCH ASSOC INC Huntsville	S 9,581 *	226	MEI TECHNOLOGY CORPORATION Lexington	S 8,626 *
	Alabama	335		Massachusetts	8,416
	Tyndall AFB	719		Rome	New York 165
	Florida			San Antonio	Texas 45
	Vicksburg	132			
	Albuquerque	7,128	227	SCHNEIDER INC Arnold Air Force Sta	Tennessee 8,553 *
	New Mexico			Mississippi 8,553	
	Raleigh	125			
	North Carolina		228	INTERNATIONAL SCIENTIFIC PDTs San Jose	S 8,444 *
	South Royalton	374		California 8,444	
	Vermont				
	Springfield	768	229	SCIENCE & TECHNOLOGY CORP Washington	S 8,421 *
	Virginia			D.C. 120	
210	OGDEN GOVERNMENT SERVICES CO San Diego	9,575 *		Las Cruces	New Mexico 1,160
	California	9,575		Arlington	Virginia 340
211	LOS ALAMOS TECHNICAL ASSOC INC Albuquerque	S 9,539 *		Hampton	Virginia 6,801
	New Mexico	1,083	230	GTE PRODUCTS CORP Mountain View	California 8,417 *
	Los Alamos	8,456		Rockville	Maryland 6,782
	New Mexico			Towanda	Pennsylvania 499
212	PHYSICAL SCIENCES INC Port Hueneme	S 9,295 *	231	UES INC Fort Rucker	S 8,390 *
	California	48		Alabama 158	
	Cockeysville	550		Dayton	Ohio 8,232
	Maryland		232	PACER SYSTEMS INC Panama City	Florida 8,363 *
	Landover	2,322		Billerica	Massachusetts 5,277
	Maryland			Horsham	Pennsylvania 448
	Andover	6,375			2,659
213	ARES CORPORATION Arlington	S 9,289 *	233	GENERAL RESEARCH CORPORATION Huntsville	Alabama 8,319 *
	Virginia	9,289		Santa Barbara	California 4,716
214	HORIZONS TECHNOLOGY INC San Diego	S 9,278 *		Reading	Massachusetts 3,384
	California	4,228		Fairborn	Ohio 58
	Melbourne	5,050		Vienna	Virginia 79
	Florida				101
215	PIASECKI AIRCRAFT CORP Essington	S 9,278 *	235	SOFTECH INC San Diego	California 8,066 *
	Pennsylvania	9,278		Dayton	Ohio 546
216	ADVANCED TECHNOLOGY MATERIALS Danbury	S 9,138 *	236	AUTOMATED SCIENCES GROUP INC Huntsville	S 8,037 *
	Connecticut	8,608		Alabama 8,037	
	New Milford	530			
217	WESTINGHOUSE AIRSHIPS INC Baltimore	9,055 *	237	ROTARY POWER INTERNATIONAL Wood-Ridge	S 8,017 *
	Maryland	9,055		New Jersey 8,017	
218	MARTIN MARIETTA WESTINGHSE JV Orlando	9,050 *			
	Florida	9,050			
219	BELL HELICOPTER TEXTRON INC Fort Worth	9,046 *			
	Texas	9,046			

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238	FRONTIER ENGINEERING INC	S	7,779 *	262	CAE INDUSTRIES INC	Arizona	6,218 *
	Dayton	Ohio	7,130		Luke AFB		2,013
	Stillwater	Oklahoma	650		Binghamton	New York	4,160
239	INFOTEC DEVELOPMENT INC	S	7,771 *		Irving	Texas	45
	Santa Ana	California	5,231	263	DBA SYSTEMS INC	Florida	6,194 *
	Sunnyvale	California	2,540		Melbourne		6,194
240	KOPIN CORPORATION	S	7,654 *	264	PHOTON RESEARCH ASSOCIATES INC	S	6,166 *
	Taunton	Massachusetts	7,654		Placentia	California	1,550
241	PAR TECHNOLOGY CORPORATION		7,614 *		San Diego	California	4,616
	New Hartford	New York	7,614	266	PHOTONICS TECHNOLOGY INC	S	6,101 *
242	ETEC SYSTEMS INC		7,323 *		Northwood	Ohio	6,101
	Hayward	California	7,323	267	ETA TECHNOLOGIES CORPORATION	S	6,056 *
243	STANFORD TELECOMMUNICATIONS	S	7,298 *		Inglewood	California	2,267
	Santa Clara	California	6,699		Los Angeles	California	250
	Reston	Virginia	599		San Diego	California	3,539
245	SYNETICS CORPORATION	S	7,165 *	268	MDT ADVISERS INC		6,016 *
	El Cajon	California	50		Cambridge	Massachusetts	5,677
	San Diego	California	280		Waltham	Massachusetts	339
	Wakefield	Massachusetts	4,785	269	HOMMET CORPORATION		6,000 *
	Dahlgren	Virginia	2,050		Whitehall	Michigan	6,000
246	ARETE ASSOCIATES	S	7,125 *	270	LOCKHEED CORPORATION		5,905 *
	Los Angeles	California	7,125		Burbank	California	156
247	INTERSTATE ELECTRONICS CORP		6,997 *		Los Angeles	California	130
	Anaheim	California	6,997		Ontario	California	523
248	LUFKIN INDUSTRIES INC		6,995 *		Palmdale	California	5,122
	Lufkin	Texas	6,995		Marietta	Georgia	124
250	SOFTWARE TECHNOLOGY INC		6,892 *		Fort Worth	Texas	150-
	Washington	D.C.	2,051	273	DYNAMICS RESEARCH CORPORATION		5,813 *
	Melbourne	Florida	4,841		Wilmington	Massachusetts	4,575
251	INTERNATIONAL SOFTWARE SYSTEMS	S	6,884 *		Arlington	Virginia	1,238
	Austin	Texas	6,884	274	METRON INC	S	5,755 *
252	ASI SYSTEMS INTERNATIONAL	S	6,864 *		Solana Beach	California	264
	Anaheim	California	4,503		Warminster	Pennsylvania	436
	Tort Walton Beach	Florida	2,361		Reston	Virginia	5,055
253	HILTON SYSTEMS INC	S	6,721 *	275	MAC AULAY-BROWN INC	S	5,721 *
	Huntsville	Alabama	1,363		Dayton	Ohio	1,950
	Atlanta	Georgia	455		Fairborn	Ohio	500
	Jackson	Mississippi	733		Wright Patterson AFB	Ohio	3,271
	Vicksburg	Mississippi	4,151	276	APPLIED RESEARCH INC		5,689 *
254	AEROTHERM CORPORATION		6,675 *		Huntsville	Alabama	3,567
	Mountain View	California	583		Arlington	Virginia	2,122
	White Sands MSL RGE	New Mexico	6,092	277	KDI PRECISION PRODUCTS INC		5,687 *
256	HUGHES TRAINING INC		6,561 *		Columbia	Maryland	100
	San Diego	California	1,797		Cincinnati	Ohio	5,587
	West Covina	California	328	278	SYSCON CORPORATION		5,665 *
	Minneapolis	Minnesota	661		San Diego	California	820
	Arlington	Texas	3,774		New London	Connecticut	1,303
259	AEL INDUSTRIES INC		6,524 *		Washington	D.C.	412
	Dayton	Ohio	6,085		Silver Spring	Maryland	1,358
	Lansdale	Pennsylvania	438		Middletown	Rhode Island	666
260	GRUMMAN DATA SYSTEMS CORP		6,342 *		Naval USC	Rhode Island	131
	San Diego	California	250		Newport	Rhode Island	125
	Bethpage	New York	4,987		Dahlgren	Virginia	850
	Woodbury	New York	716	279	AMCOMP CORPORATION	S	5,660 *
	Springfield	Virginia	389		Rancho Palos Verdes	California	5,660

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
280	COMPUTING DISTRIBUTORS INTL Minneapolis	5,626 *	305	DIGITAL WIZARDS INC San Diego	S 4,991 *
	Minnesota	5,626			4,991
282	INCO UNITED STATES INC Wrightsville Beach	5,610 *	306	ADVANCED LITHOGRAPHY GROUP Columbia	S 4,985 *
	North Carolina	5,610			4,985
283	I-NEI INC Bethesda	S 5,592 *	307	MC WHITE SCIENTIFIC Rockville	S 4,979 *
	Maryland	5,592			4,979
284	CALIFORNIA RESEARCH & TECH Los Angeles	5,577 *	308	MANTECH INTERNATIONAL CORP Edwards AFB	4,962 *
	California	4,757		Wright Patterson AFB Ohio	1,416
	Princeton	772		Fairfax	2,947
	New Jersey				599
	Dayton	47			
285	VISIDYNE INC Goleta	S 5,472 *	309	SYSTEM RESOURCES CORPORATION Shrewsbury	S 4,960 *
	Burlington	California 3,015			4,960
		Massachusetts 2,457			
286	LYNNE GILFILLAN ASSOC Fairfax	S 5,374 *	311	SPIRE CORPORATION Bedford	S 4,927 *
	Virginia	5,374		Dumfries	Massachusetts 4,848
					80
287	WHITTAKER CORPORATION Simi Valley	5,313 *	313	AEPCO INC Rockville	S 4,897 *
	California	5,313			4,897
288	KENDALL SQUARE RESEARCH CORP Waltham	S 5,311 *	314	APPLIED MEASUREMENT SYSTEMS New London	S 4,890 *
	Massachusetts	5,311		Bakers Mill	Connecticut 1,691
289	AM GENERAL CORPORATION South Bend	5,282 *		Hollywood	Florida 75
	Indiana	2,733		Burlington	Massachusetts 3,119
	Livonia	2,549			5
290	PHYSICAL OPTICS CORPORATION Torrance	S 5,260 *	315	WILLIAMS INTERNATIONAL CORP Walled Lake	4,887 *
	California	5,260			4,887
291	UNITED INTERNATIONAL ENGRG Huntsville	S 5,222 *	316	INTER-NATIONAL RESEARCH INST Reston	S 4,875 *
	Alabama	380			4,875
	Albuquerque	New Mexico			
292	CUMMINS ENGINE COMPANY INC Columbus	5,195 *	317	TRUSTED INFORMATION SYSTEMS Glenwood	S 4,872 *
	Indiana	5,195			4,872
293	ALPHATECH INC Burlington	S 5,183 *	318	MANAGEMENT CONSULTING & RES Falls Church	S 4,853 *
	Massachusetts	5,183			4,853
294	COORS PORCELAIN COMPANY Golden	5,163 *	319	LIFE CYCLE ENGINEERING INC Charleston	S 4,807 *
	Ocean Springs	Colorado 163			4,807
		Mississippi 5,000			
295	SUMMA TECHNOLOGY INC Huntsville	S 5,160 *	320	DAVID SARNOFF RESEARCH CENTER West Lafayette	4,791 *
	Alabama	5,160		Indiana 80	
297	CONCORD HILL GROUP INC Burlington	S 5,147 *		Princeton	New Jersey 4,711
	Massachusetts	4,499			
	Barnstable	Massachusetts 449			
	Rome	New York 199			
299	ELECTRONIC DECISIONS INC Urbana	S 5,119 *	321	ORLANDO TECHNOLOGY INC Shalimar	S 4,767 *
	Illinois	5,119			4,767
300	DCS CORPORATION Alexandria	5,084 *	323	SUPERCONDUCTOR TECHNOLOGIES Santa Barbara	S 4,720 *
	Virginia	5,084			4,720
301	M R J GROUP Oakton	S 5,045 *	326	TITAN CORPORATION Costa Mesa	4,671 *
	Virginia	5,045		Los Angeles	321
302	FIBERTEK INC Herndon	S 5,031 *		San Diego	730
	Virginia	5,031		Colorado Springs	2,172
303	TFTRA CORPORATION Albuquerque	S 5,007 *		Vienna	448
	New Mexico	5,007			1,000
			327	ELECTRONICS & SPACE CORP St. Louis	4,665 *
					4,665
			328	XONTECH INC Los Angeles	S 4,641 *
					4,641
			330	BERKELEY RESEARCH ASSOCIATES Berkeley	S 4,625 *
				Washington	938
				D.C.	877
				Springfield	Virginia 2,810

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor	Location of Work	Thousands of Dollars	Rank	Name of Contractor	Location of Work	Thousands of Dollars
331	PLANNING CONSULTANTS INC	Dahlgren	S 4,589 *	361	SYNDETIX INCORPORATED	S	4,117 *
		Virginia	4,589		Las Cruces	New Mexico	470
334	COMPUTER SCIENCE APPLICATIONS	Eglin AFB	S 4,500 *		White Sands MSL RGE	New Mexico	3,647
		Florida	4,500	362	COMMONWEALTH TECHNOLOGY INC	S	4,117 *
335	AUTOMATION GROUP INC	San Francisco	S 4,486 *		Washington	D.C.	3,918
		California	4,486		Alexandria	Virginia	199
336	CAMBER CORPORATION	Huntsville	S 4,482 *	363	KNOWLEDGE BASED SYSTEMS INC	S	4,113 *
		Alabama	3,939		College Station	Texas	4,025
		Cambridge	542		San Antonio	Texas	88
337	ANALYTIX ELECTRONIC SYSTEMS	Hudson	4,470 *	364	EASTMAN KODAK COMPANY		4,100 *
		New Hampshire	4,470		Rochester	New York	562
340	SYSTEM DYNAMICS INTERNATIONAL	Huntsville	S 4,464 *		Koppel	Pennsylvania	1,140
		Alabama	4,464		Pittsburgh	Pennsylvania	2,398
341	PHASE IV SYSTEMS INC	Huntsville	S 4,458 *	366	CERIDIAN CORPORATION		4,076 *
		Alabama	4,458		Bloomington	Minnesota	3,650
342	HUGHES DANBURY OPTICAL SYSTEMS	Danbury	4,454 *		Minneapolis	Minnesota	324
		Connecticut	4,454		Fort Belvoir	Virginia	102
343	XETRON CORPORATION	Cincinnati	4,447 *	368	VANGUARD RESEARCH INC	S	4,041 *
		Ohio	4,447		Falcon	Colorado	750
344	EPOCH ENGINEERING INC	New London Naval Und	S 4,446 *		Fairfax	Virginia	3,291
		Connecticut	218	369	G & F COMPANY		4,000 *
		Bath	148		Santa Clara	California	4,000
		Gaithersburg	4,080	370	EAI CORPORATION	S	3,992 *
347	MRS TECHNOLOGY INC	Chelmsford	S 4,398 *		Abingdon	Maryland	3,992
		Massachusetts	4,398	372	MILLIPORE CORPORATION		3,898 *
348	ATLANTIC AEROSPACE ELECTRONICS	Greenbelt	S 4,387 *		Bedford	Massachusetts	3,898
		Maryland	4,017	373	B-K DYNAMICS INC		3,894 *
		Waltham	370		San Diego	California	877
349	AUTOMATION RES SYSTEMS LTD	Alexandria	S 4,377 *		Washington	D.C.	656
		Virginia	4,377		Adelphi	Maryland	215
350	ISX CORPORATION	Thousand Oaks	S 4,372 *		Rockville	Maryland	2,146
		Westlake Village	750	374	RAYTHEON MIDDLE EAST SYSTEMS CO		3,819 *
		California	3,623		Bedford	Massachusetts	3,819
352	CBI NA-CON INC	Norcross	4,333 *	375	ELDYNE INC	S	3,790 *
		Georgia	4,333		San Diego	California	3,790
353	VECTOR RESEARCH COMPANY INC	Bethesda	S 4,328 *	376	MAR INCORPORATED		3,776 *
		Maryland	3,911		Panama City	Florida	2,000
		Rockville	418		Rockville	Maryland	1,776
354	ECC INTERNATIONAL CORP	Orlando	S 4,328 *	377	INTEGRATED SYSTEMS INC	S	3,766 *
		Florida	4,187		Palo Alto	California	323
		Pittsburgh	142		Santa Clara	California	3,442
355	R J O ENTERPRISES INC	Lanham	S 4,211 *	378	TERA COMPUTER COMPANY	S	3,750 *
		Dayton	3,916		Seattle	Washington	3,750
		Ohio	296	379	DIGITAL SYSTEMS RESEARCH INC	S	3,743 *
357	SUPPORT CONIG SYSTEMS JV	Camarillo	4,177 *		Arlington	Virginia	3,743
		California	4,177	380	SYISTRAN CORPORATION	S	3,728 *
359	ENSCO INC	Springfield	S 4,130 *		Dayton	Ohio	3,728
		Virginia	4,130	382	ADVANCED RESOURCE TECHNOLOGIES	S	3,697 *
360	HUGHES STX CORPORATION	Edwards AFB	4,127 *		Alexandria	Virginia	3,697
		Washington	385				
		D.C.	3,305	383	SPECTRA DIODE LABORATORIES	S	3,693 *
		Lanham	175		San Jose	California	3,693
		Severna Park	138				
		Maryland					
		Lexington	124				

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
384	SENSIS CORPORATION De Witt New York	S 3,660 * 3,660	411	REVEO INC Hawthorne Pleasantville New York	S 3,212 * 2,964 248
385	STEWART & STEVENSON SVCS INC Sealy Texas	3,655 * 3,655	412	WATERJET SYSTEMS INC Huntsville Alabama	3,201 * 3,201
386	MICROELECTRONICS CMPT TECH CORP Austin Texas	3,596 * 3,596	413	E-OIR MEASUREMENTS INC Fort Belvoir Spotsylvania Virginia	S 3,184 * 2,466 718
387	ARIST CORPORATION INC Alexandria Virginia	S 3,585 * 3,585	414	PRESEARCH INCORPORATED Panama City Silver Spring Fairfax Maryland	S 3,174 * 1,303 1,413 458
389	EARTH TECHNOLOGY CORP USA Huntsville Alabama	S 3,579 * 2,001	415	TECHNOLOGY APPLICATIONS Placentia California	S 3,161 * 3,161
	Atlanta Georgia	1,578	416	GALAXY SCIENTIFIC CORP San Diego Mays Landing Pleasantville Warminster Pennsylvania	S 3,142 * 983 828 69 1,262
390	DECISION SCIENCE APPLICATIONS Arlington Virginia	S 3,539 * 3,539	417	ARINC INCORPORATED Annapolis Oceangoft Maryland	3,123 * 2,385 737
392	HOUSTON ASSOCIATES INC Silver Spring Maryland	S 3,477 * 3,477	418	CHEMICAL SYSTEMS DIVISION San Jose California	3,103 * 3,103
393	TECHNICAL & MGT SVCS CORP Calverton Maryland	S 3,469 * 1,025	419	CREE RESEARCH INC Durham North Carolina	S 3,098 * 3,098
	Oceangoft New Jersey	2,444	420	DDL OMNI ENGINEERING CORP San Diego Groton New London Waterford Chantilly McLean	S 3,091 * 60 98 1,301 150 1,273 209
394	BRTRC INC Fairfax Virginia	S 3,465 * 100	421	SYSTEMS ANALYSIS & INTEGRATION San Diego California	S 3,069 * 3,069
	Oak Valley Estates Virginia	418	422	ADVANCED MARINE ENTERPRISES Arlington Virginia	3,058 * 3,058
	Vienna Virginia	2,948	423	IORE INDUSTRIES INC Albuquerque New Mexico	S 3,053 * 3,053
395	SYNECTICS CORP Bronx New York	S 3,406 * 2,414	424	BETAC INTERNATIONAL CORP Alexandria Virginia	3,030 * 3,030
	Fairfax Virginia	992	425	NAVMAR APPLIED SCIENCES CORP Warminster Pennsylvania	S 3,012 * 3,012
396	EATON CORPORATION Los Angeles California	3,405 * 4,114	426	NCHIP INC San Jose California	S 3,000 * 3,000
	Santa Monica California	4,115	427	ELDEC CORPORATION Bothell Lynnwood Washington	2,988 * 2,590 398
	Westlake Village California	59	429	BABCOCK & WILCOX COMPANY THE Alliance Ohio	2,964 * 2,444
	Deer Park New York	4,883-		Lynchburg Virginia	520
397	VEDA INTERNATIONAL INC Dayton Ohio	3,381 * 2,935	430	TEXSTAR INC Grand Prairie Texas	2,956 * 2,956
	Alexandria Virginia	446			
400	L B & M ASSOCIATES INC Lawton Oklahoma	S 3,328 * 3,328			
403	INTERNATIONAL MICROSPACE INC Herndon Virginia	S 3,300 * 3,300			
404	ORION SCIENTIFIC SYSTEMS INC Arlington Virginia	S 3,288 * 3,288			
405	VSE CORPORATION Alexandria Virginia	3,287 * 3,287			
406	ADVANCED TECHNOLOGY & RESEARCH Burtsontville Maryland	S 3,280 * 1,421			
	Laurel Maryland	1,659			
407	HAMPSHIRE INSTRUMENTS INC Rochester New York	S 3,279 * 3,279			
408	M T L SYSTEMS INC Dayton Ohio	S 3,267 * 1,369			
	Wright Patterson AFB Ohio	1,698			
410	METROLASER Irvine California	S 3,257 * 3,235			
	Menlo Park California	21			

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
433	WEIDLINGER ASSOCIATES INC Palo Alto New York	S 2,919 * 300 2,619	455	ATMOSPHERIC & ENVTL RESEARCH Cambridge	S 2,715 * 2,715
434	TEXAS RESEARCH INTERNATIONAL Orlando Austin El Paso	S 2,906 * 1,039 1,827 40	456	TOYON RESEARCH CORP Goleta Santa Barbara	S 2,704 * 2,329 375
435	SPECTRUM SCIENCES INC Santa Clara	S 2,904 * 2,904	457	INNOVATIVE TECHNOLOGIES CORP Dayton	S 2,702 * 2,702
436	RESEARCH MANAGEMENT CONS Point Mugu Naval Air Station McLean	S 2,896 * 1,311 1,585	458	MOLECULAR DEVICES CORPORATION Menlo Park	S 2,690 * 2,690
437	METRO MACHINE CORP Norfolk	S 2,891 * 2,891	459	MENTOR GRAPHICS CORPORATION Wilsonville	S 2,689 * 2,689
438	CONDUCTUS INC Sunnyvale	S 2,830 * 2,830	460	LOGISTICS MANAGEMENT ENGRG Asheville Warminster	S 2,678 * 73 2,606
440	CREABE INC Washington Dover Hanover	S 2,828 * 202 71 2,555	461	N K F ENGINEERING INC Arlington Reston	S 2,673 * 2,566 108
441	RAYOVAC CORPORATION Madison	S 2,828 * 2,828	462	SCIENCE RESEARCH LABORATORY Alameda Somerville	S 2,669 * 297 2,372
442	I P L INC Port Hueneme Albuquerque	S 2,827 * 53 2,774	463	S SYSTEMS CORPORATION Los Angeles Air Force Albuquerque	S 2,652 * 697- 3,349
443	IRVINE SENSORS CORPORATION Costa Mesa	S 2,821 * 2,821	464	LOGICON EAGLE TECHNOLOGY INC Winter Park Arlington McLean	S 2,648 * 37 27 2,585
444	PRATT & WHITNEY AIRCRAFT East Hartford West Palm Beach	S 2,805 * 1,193 1,612	465	PERCEPTRONICS INC Los Angeles Woodland Ann Arbor	S 2,648 * 1,848 185 615
445	FRONTIER TECHNOLOGY INC Santa Barbara Beavercreek	S 2,801 * 397 2,404	467	VISICOM LABORATORIES INC San Diego	S 2,635 * 2,635
446	OPTIMETRICS INC Ann Arbor White Sands MSL RGE	S 2,799 * 2,457 342	468	FALCON ASSOCIATES LTD Springfield	S 2,624 * 2,624
447	GENTEX CORPORATION Carbondale	S 2,798 * 2,798	469	KRUG INTERNATIONAL CORPORATION San Antonio	S 2,619 * 2,619
448	MICROCOM CORPORATION Warminster	S 2,786 * 2,786	470	MERIDIAN CORPORATION Alexandria	S 2,617 * 2,617
449	S B A TECHNOLOGIES INC Rockville Alexandria	S 2,772 * 1,772 1,000	471	CSA ENGINEERING INC Palo Alto Wright Patterson AFB	S 2,582 * 1,250 Ohio 1,333
450	MADISON RESEARCH CORPORATION Huntsville	S 2,754 * 2,754	472	UNIVERSAL TECHNOLOGY CORP Dayton	S 2,579 * 2,579
451	RAYTHEON SERVICE COMPANY Burlington	S 2,736 * 2,736	473	GEOMET TECHNOLOGIES INC Germantown	S 2,575 * 2,575
453	ENVIRONMENTAL SYSTEMS RES INST Redlands	S 2,728 * 2,728	474	ANDRULIS RESEARCH CORPORATION Bethesda Salt Lake City	S 2,571 * 1,928 642
454	SUPPORT SYSTEMS ASSOCIATES Hauppauge	S 2,723 * 2,723	475	AERODYNE RESEARCH INC Bedford Billerica	S 2,545 * 95 2,450

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Business Firms: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
476	STV GROUP INC Pottstown	2,543 * 2,543			
478	BLACK & DECKER CORPORATION San Diego Bellevue McLean	2,528 * 432 256 1,839			
479	KMR INC Santa Clara	S California	2,523 * 2,523		
480	PULSE SCIENCES INC San Leandro Alexandria	S California Virginia	2,516 * 740 1,776		
483	BETA ANALYTICS INC Upper Marlboro Alexandria	S Maryland Virginia	2,500 * 2,408 92		
484	WAGNER DANIEL H ASSOCIATES Sunnyvale Paoli Hampton	S California Pennsylvania Virginia	2,466 * 53 1,705 708		
485	COMPTEK RESEARCH INC Goleta	California	2,455 * 2,455		
486	TALLEY DEFENSE SYSTEMS INC Mesa	Arizona	2,448 * 2,448		
487	VENTURE PLASTICS INC Corona	S California	2,440 * 2,440		
488	TECHNICAL MICRONICS CONTROL Huntsville	S Alabama	2,430 * 2,430		
489	FUENTEZ SYSTEMS CONCEPTS INC Fairfax	S Virginia	2,428 * 2,428		
490	INNOVATIVE CONCEPTS INC McLean	S Virginia	2,417 * 2,417		
491	AVCO CORPORATION Stratford	Connecticut	2,416 * 2,416		
494	BTG INC Vienna	S Virginia	2,390 * 2,390		
495	WAGNER CASTINGS COMPANY Decatur	Illinois	2,377 * 2,377		
496	POWER SPECTRA INC Fremont Sunnyvale	S California California	2,376 * 2,433 57-		
498	EG&G INC Alamogordo Albuquerque	New Mexico New Mexico	2,375 * 745 1,630		
500	INTEGRATED MICROCOMPUTER SYS Rockville	S Maryland	2,349 * 2,349		
	TOTAL	19,381,220			

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**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Educational and Nonprofit Institutions: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
13	MASSACHUSETTS INST OF TECH Port Hueneme California Cambridge Maine Boston Massachusetts Cambridge Massachusetts Lexington Massachusetts	359,904 * 210 975 3,819 11,183 343,718	BATTELLE MEMORIAL INSTITUTE (Cont) Gaithersburg Maryland Greenbelt Maryland Kensington Maryland Lansdowne-Baltimore Maryland Acton Massachusetts Arlington Massachusetts Belmont Massachusetts Boston Massachusetts Cambridge Massachusetts Duxbury Massachusetts Lexington Massachusetts Lowell Massachusetts Newton Massachusetts North Andover Massachusetts Waltham Massachusetts Ann Arbor Michigan Birmingham Michigan Detroit Michigan East Lansing Michigan Houghton Michigan Marquette Michigan Midland Michigan Traverse City Michigan Sault Ste. Marie Michigan Oxford Mississippi State College Mississippi Ballwin Missouri Chesterfield Missouri Florham Park New Jersey Haddon Heights New Jersey Hoboken New Jersey Piscataway New Jersey Princeton New Jersey Red Bank New Jersey Albuquerque New Mexico Albany New York Binghamton New York Great Neck New York New York New York Northport New York North Wantagh New York Potsdam New York Stony Brook New York Yonkers New York Chapel Hill North Carolina Durham North Carolina Raleigh North Carolina Research Triangle PK North Carolina Fargo North Dakota Athens Ohio Columbus Ohio Dayton Ohio Hilliard Ohio Oklahoma City Oklahoma Stillwater Oklahoma Bethlehem Pennsylvania Devon-Berwyn Pennsylvania Lafayette Hill Pennsylvania Malvern Pennsylvania Philadelphia Pennsylvania Port Matilda Pennsylvania State College Pennsylvania Towanda Pennsylvania Garden City Beach South Carolina Knoxville Tennessee Arlington Texas Austin Texas College Station Texas Denton Texas San Antonio Texas Waco Texas Alexandria Virginia Arlington Virginia Blacksburg Virginia	27 81 32 42 66 113 25 68 94 33 41 107 55 80 152 55 30 62 113 36 102 66 176 26 35 123 30 30 28 27 71 37 79 46 192 31 75 29 74 33 29 42,555 40 122 38 103 29 36 29 138 402 34 28 27 25 77 81 106 31 62 42,555 40 122 38 103 29 36 29 138 402 34 27 40 82 144 30 123 48 64 41 2,301 238 74 33	
24	MITRE CORPORATION Bedford Massachusetts McLean Virginia	238,835 * 234,350 4,485			
25	APPLIED PHYSICS LABORATORY Laurel Maryland	235,347 * 235,347			
50	PENNSYLVANIA STATE UNIVERSITY State College Pennsylvania	83,654 * 83,654			
59	I I T RESEARCH INSTITUTE Chicago Illinois Chicago O'Hare Inter Illinois La Porte Indiana Rome New York Oak Ridge Tennessee	61,990 * 56,590 149 410 280 4,560			
60	UNIVERSITY OF TEXAS SYSTEM Hudson New Hampshire Arlington Texas Austin Texas Dallas Texas El Paso Texas Odessa Texas Richards Texas Richardson Texas	61,159 * 1,150 870 58,029 215 74 61 100 660			
65	BATTELLE MEMORIAL INSTITUTE Auburn Alabama Huntsville Alabama Tucson Arizona Cypress California Huntington Beach California Lanca Plana California Los Angeles California Menlo Park California Petaluma California Pleasant Hill California Poway California Sacramento California San Diego California Boulder Colorado Colorado Springs Colorado Golden Colorado New Haven Connecticut Storrs Connecticut Newark Delaware Washington D.C. Gainesville Florida Maitland Florida Mary Esther Florida Orlando Florida Spring Hill Florida Winter Park Florida Atlanta Georgia Aug'usta Georgia Marietta Georgia Norcross Georgia Carbondale Illinois Champaign Illinois Chicago Illinois Urbana Illinois Wichita Kansas New Orleans Louisiana Baltimore Maryland Bel Air South Maryland College Park Maryland Columbia Maryland	55,410 * 79 773 27 37 69 113 79 153 26 27 73 40 100 402 28 31 41 40 139 53 126 34 85 99 27 30 46 91 34 45 41 55 30 31 25 25 100 93 259 100			

- = Minus Amount (Cancellations Exceed New Awards)

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Educational and Nonprofit Institutions: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
	BATTELLE MEMORIAL INSTITUTE (Cont)				
	Charlottesville-Albe	100	136	SOUTH CAROLINA WLDLFR MNS RES	17,969 *
	Fairfax	110		Charleston	17,969
	Falls Church	33	156	SOUTHWEST RESEARCH INSTITUTE	15,029 *
	Hampton	27		San Antonio	14,895
	Port Royal	758		San Diego	135
	Spotsylvania	32	173	UNIVERSITY OF CALIFORNIA	13,098 *
	Vienna	239		Berkeley	1,128
	Virginia Beach	28		Davis	188
	Richland	252		Irvine	1,177
	Seattle	94		Isla Vista	67
	CANADA	138		Los Angeles	3,395
69	CARNEGIE MELLON UNIVERSITY	53,309 *		Placentia	1,246
	Pittsburgh	53,104		San Diego	4,203
	Naval USC	205		San Francisco	438
70	DRAPER CHARLES STARK LAB INC	53,260 *		Santa Barbara	1,177
	Boston	1,415		Santa Cruz	80
	Cambridge	51,845	197	NATIONAL ACADEMY SCIENCES USA	10,454 *
79	SRI INTERNATIONAL	44,541 *		San Diego	92
	Los Angeles	505		Washington	9,689
	Marina del Ray	58		Aberdeen PROV GRND	232
	Menlo Park	42,340		Adelphi	65
	Hanscom AFB	49		Oceanport	376
	Medford	79	207	STANFORD UNIVERSITY	9,719 *
	Sudbury	36		Stanford University	9,719
	Princeton	1,384	234	RUTGERS STATE UNIVERSITY	8,266 *
	Binghamton	90		New Brunswick	1,704
83	UNIVERSITY OF PITTSBURGH	42,461 *		Piscataway	6,562
	Johnstown	40,009	244	NEW MEXICO STATE UNIVERSITY	7,172 *
	Pittsburgh	2,452		Las Cruces	6,682
90	UNIVERSITY OF DAYTON	35,909 *		White Sands MSL RGE	490
	Williams AFB	5,635	249	SALK INST FOR BILOGICAL STUDIES	6,967 *
	Edwards AFB	4,579		Swiftwater	6,967
	Dayton	25,695	255	UNIVERSITY OF CENTRAL FLORIDA	6,588 *
98	ANALYTIC SERVICES INC	29,636 *		Orlando	6,588
	Arlington	29,636	258	OPEN SOFTWARE FOUNDATION INC	6,529 *
110	RAND CORPORATION	23,980 *		Cambridge	6,529
	Los Angeles	23,980	261	EDISON WELDING INSTITUTE	6,297 *
111	UTAH STATE UNIVERSITY	23,561 *		Columbus	6,297
	Logan	23,561	265	UNIVERSITY OF NEW MEXICO	6,105 *
112	GEORGIA TECH RESEARCH CORP	23,491 *		Albuquerque	5,274
	Atlanta	23,491		Kirtland AFB	525
114	INSTITUTE FOR DEFENSE ANALYSES	23,137 *		White Sands MSL RGE	241
	Alexandria	23,137		Cleveland	64
118	UNIVERSITY OF SOUTHERN CAL	21,480 *	271	UNIVERSITY OF ALABAMA	5,888 *
	Los Angeles	21,480		Huntsville	5,888
126	LOGISTICS MANAGEMENT INSTITUTE	19,510 *	272	ARMORED VEHICLE TECH ASSOC	5,862 *
	Washington	1,082		Troy	5,862
	Bethesda	18,428	296	SOUTHEASTER CNTR FG ELT	5,160 *
129	ENVIRONMENTAL RES INST OF MICH	18,893 *		Gainesville	54
	Ashrama	67		Orlando	2,156
	Los Angeles	534		Saint Cloud	1,860
	Washington	50		Bedford	193
	Ann Arbor	18,242		Durham	187
133	UNIVERSITY OF WASHINGTON	18,167 *		Fargo	60
	Seattle	18,167		Wright Patterson AFB	100
				Ohio	549
				Texas	

- = Minus Amount (Cancellations Exceed New Awards)

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Educational and Nonprofit Institutions: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
298	WOODS HOLE OCEANOGRAPHIC INST Woods Hole Massachusetts	5,147 *5,147	431	UNIVERSITY OF ARIZONA Tucson Arizona	2,952 *2,952
304	UNIVERSITY OF MASSACHUSETTS Amherst Massachusetts	5,006 *4,439	432	OREGON GRADUATE CTR Beaverton Oregon	2,947 *2,947
	Boston Massachusetts	50			
	Worcester Massachusetts	518	452	MIDWEST RESEARCH INSTITUTE Kansas City Missouri	2,734 *2,734
310	CORPORATION OF MERCER UNIV Robins AFB Georgia	4,939 *4,939	477	UNIVERSITY OF MARYLAND SYSTEM Baltimore Maryland	2,530 *80
312	RIVERSIDE RESEARCH INSTITUTE New York New York	4,914 *4,914		College Park Maryland	1,979
				Queenstown Maryland	245
322	UNIVERSITY OF ILLINOIS Port Huron California	4,726 *98		East Chop Massachusetts	225
	Citrus Florida	28	481	UNIVERSITY OF FLORIDA Eglin AFB Florida	2,510 *79
	Champaign Illinois	2,351		Russells Corner Florida	875
	Chicago Illinois	1,686		Gainesville Florida	1,096
	Urbana Illinois	563		Orlando Florida	460
324	UNIVERSITY OF MICHIGAN Ann Arbor Michigan	4,711 *4,711	492	CLEVELAND ADVANCED MANUFACTUR Cleveland Ohio	2,414 *2,414
325	MICHIGAN STATE OF Lansing Michigan	4,685 *4,685	493	HARVARD COLLEGE PRSONS FELLOWS Boston Massachusetts	2,399 *100
				Cambridge Massachusetts	2,299
332	NAYO FOUNDATION Rochester Minnesota	4,574 *4,574	497	OKLAHOMA STATE UNIVERSITY Eglin AFB Florida	2,375 *2,100
333	SYRACUSE RESEARCH CORP Syracuse New York	4,568 *4,568		Stillwater Oklahoma	275
336	VANDERSILT UNIVERSITY THE Nashville Tennessee	4,466 *4,466	499	JACKSON HENRY M FOUNDATION Bethesda Maryland	2,353 *2,353
339	NEW MEXICO INST OF MIN & TECH Socorro New Mexico	4,465 *4,465		TOTAL	1,771,415
345	BOSTON UNIVERSITY Boston Massachusetts	4,413 *4,413			
351	UNIVERSITY OF PENNSYLVANIA Philadelphia Pennsylvania	4,346 *4,346			
356	CORNELL UNIVERSITY Ithaca New York	4,201 *4,201			
358	RESEARCH TRIANGLE INSTITUTE Research Triangle PK North Carolina	4,146 *4,146			
361	DUKE UNIVERSITY Durham North Carolina	3,718 *3,718			
366	GEORGIA INSTITUTE TECHNOLOGY Atlanta Georgia	3,581 *3,581			
401	BOSTON COLLEGE TRUSTEES OF Boston Massachusetts	3,326 *2,153			
	Newton Massachusetts	1,172			
402	GENERAL HOSPITAL CORPORATION Boston Massachusetts	3,300 *3,300			
409	SOUTHERN RESEARCH INSTITUTE Birmingham Alabama	3,257 *3,257			
428	JOHNS HOPKINS UNIVERSITY Baltimore Maryland	2,978 *2,978			

- = Minus Amount (Cancellations Exceed New Awards)

**Table 4. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Foreign Contractors: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
55	ISRAEL AIRCRAFT INDUSTRIES LTD ISRAEL	71,140 *			
		71,140			
139	MINISTRY OF DEFENSE UNITED KINGDOM	17,527 *			
		17,527			
281	GOVERNMENT OF CANADA CANADA	5,613 *			
		5,613			
329	SAGEM/APPLICATIONS GENERALES D FRANCE	4,640 *			
		4,640			
346	BAESEMA LTD UNITED KINGDOM	4,410 *			
		4,410			
365	WALES LTD ISRAEL	4,077 *			
		4,077			
367	BOPORS AB SUEDEN	4,047 *			
		4,047			
371	PORTON INTERNATIONAL INC UNITED KINGDOM	3,959 *			
		3,959			
391	TADIRAN ISRAEL ELECTRONICS IND ISRAEL	3,482 *			
		3,482			
398	CANADIAN COMMERCIAL CORP CANADA	3,372 *			
		3,372			
399	SOREQ NUCLEAR RESEARCH CENTRE ISRAEL	3,342 *			
		3,342			
436	MTU MOTOREN-UND TURBINEN-UNION GERMANY	2,850 *			
		2,850			
466	ROYAL NORWEIGAN COUNCIL SCI NORWAY	2,639 *			
		2,639			
	TOTAL	131,097			

- = Minus Amount (Cancellations Exceed New Awards)

**Table 5. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Government Agencies: FY 1993**

Rank	Name of Contractor Location of Work	Thousands of Dollars	Rank	Name of Contractor Location of Work	Thousands of Dollars
148	UNITED STATES DEPT COMMERCE	16,171 *			
	Boulder Colorado	1,388			
	Washington D.C.	567			
	Miami Florida	48			
	Gaithersburg Maryland	11,657			
	Rockville Maryland	140			
	Silver Spring Maryland	125			
	Cambridge Massachusetts	130			
	Woods Hole Massachusetts	34			
	National Space Techn Mississippi	100			
	Beaufort North Carolina	389			
	Arlington Virginia	1,337			
	Seattle Washington	255			
257	UNITED STATES DEPT OF ENERGY	6,535 *			
	Berkeley California	260			
	Oakland California	2,400			
	Washington D.C.	85			
	Princeton New Jersey	149			
	Albuquerque New Mexico	675			
	New York New York	462			
	Upton (Brookhaven Na New York	82			
	Oak Ridge Tennessee	2,272			
	Richland Washington	150			
482	SMITHSONIAN INSTITUTION	2,509 *			
	Washington D.C.	54			
	Cambridge Massachusetts	2,455			
	TOTAL	25,214			

- = Minus Amount (Cancellations Exceed New Awards)